



Circular Connectors M Series and Cable



Shenzhen Forman Precision Industry Co., Ltd.

Add: Building K, No. 2, Longshan 8th Road, Third Industrial Zone, Luotian Community, Yanluo Street, Baoan District, Shenzhen City, Guangdong Province, China

Tel: 0086-755-81738901 81738902

Fax: 0086-755-81738903

E-mail: info@fpiconn.com

Website: <https://fpiconn.com> <https://sz-fpi.com>



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**“ IF THERE IS A WAY
TO DO IT BETTER,
FIND IT ”**

By : Thomas Alva Edison

► Company Profile

Shenzhen Forman Precision Industry Co., Ltd. is a leading and experienced manufacturing vendor, has been always committing to the technology of metal and plastic parts, focusing on designing and manufacturing connectors and cables over 20 years. Our market involves the segment of automotive, new energy, industrial automation, medical devices, etc. By now, we have been already certificated by ISO9001, ISO14000, IATF16949, ISO 13485:2016, and the member of USB association, UL, TUV.

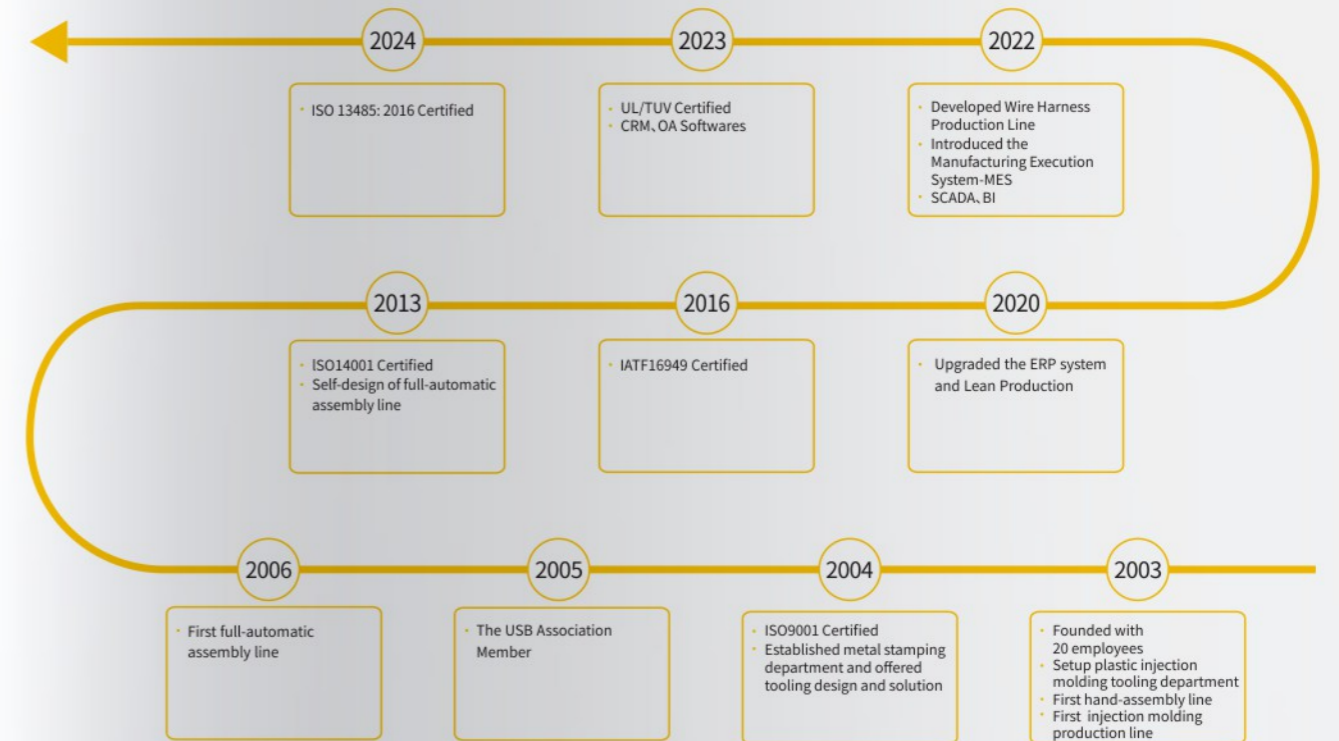
Our goal is to offer unique service experience and add value to our customers with end-to-end management. As such, we highly enjoy our reputation for being fast, flexible, and focused.



Reception

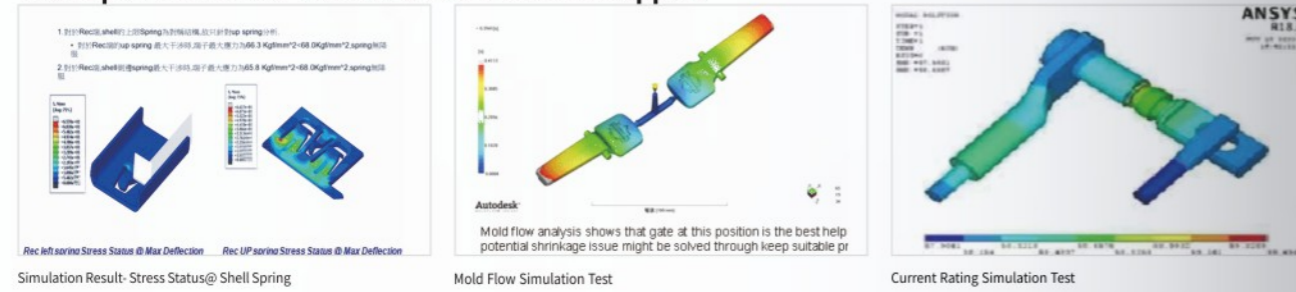


Factory



Our Advantages

The Experienced R&D Team and CAE Software Support



The Modernization One-stop Production Process



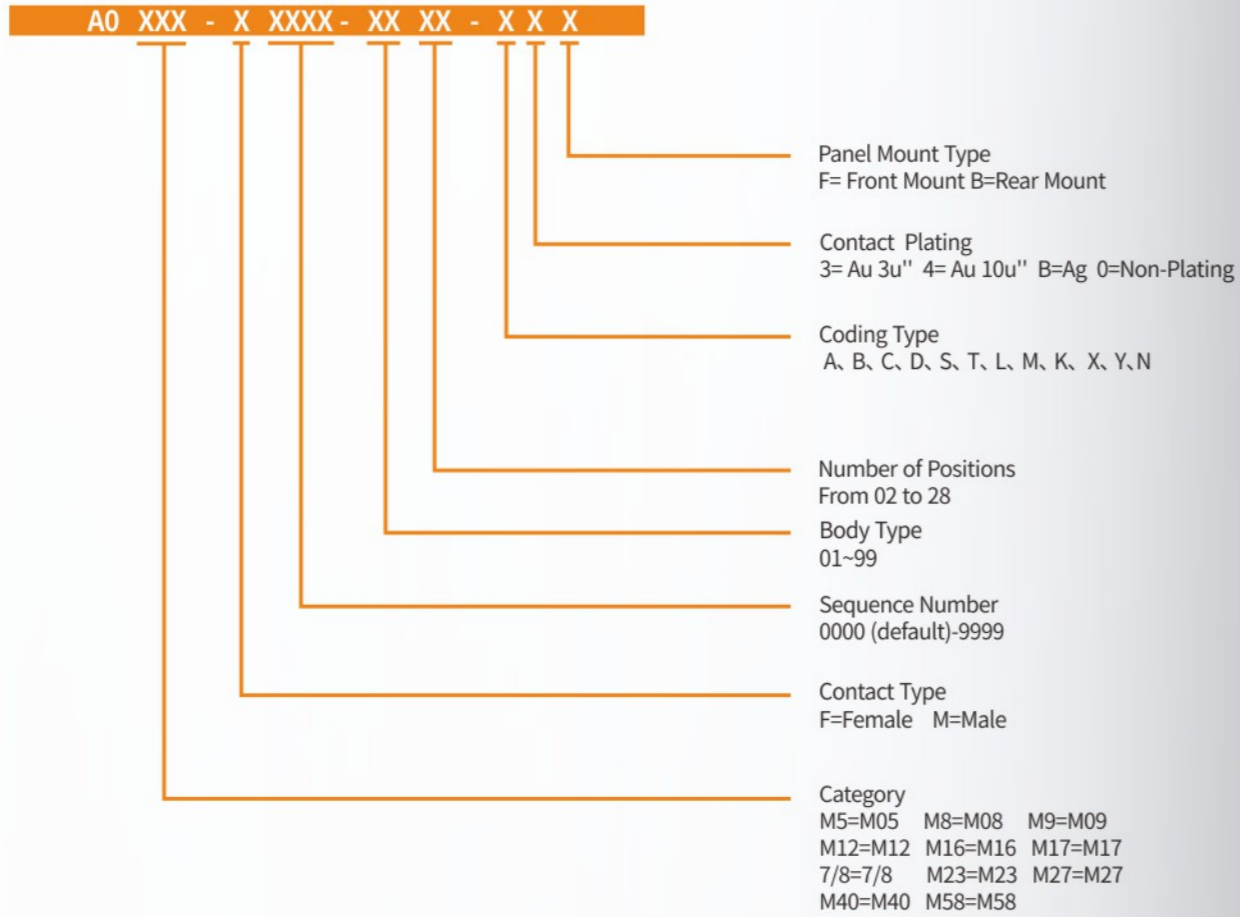
We Strictly Implement the Process of Product Quality.



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Part Number Definition

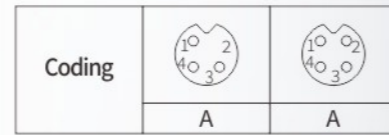
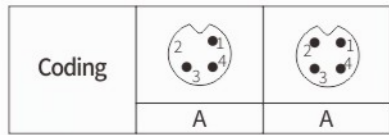
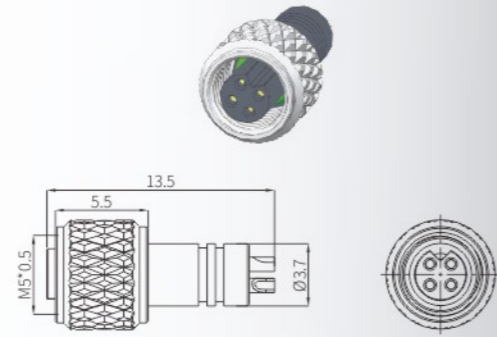
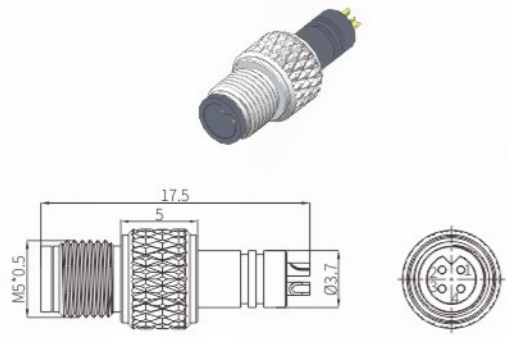


M5-Layout

Coding	Number of Positions	Male	Female	AWG	mm ²
A	4			26	0.14
	3			26	0.14

M5-Male Unshielded

M5-Female Unshielded



Part Number

Part Number

A0M05 - M XXXX - 04 XX - X 3N		
Sequence Number	Positions:3 to 4	Coding:A

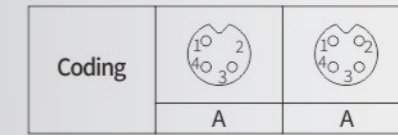
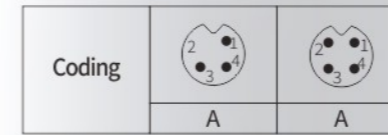
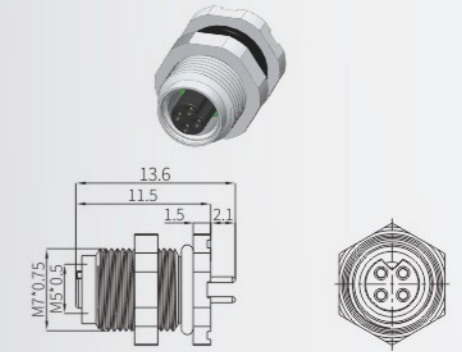
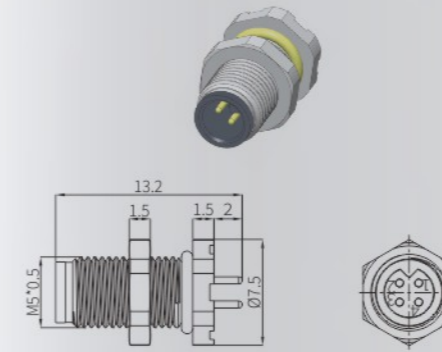
A0M05 - F XXXX - 04 XX - X 3N		
Sequence Number	Positions:3 to 4	Coding:A

Technical Parameters

Number of Positions	3	4
Rated voltage	60V	
Rated current	1A	
Rated surge voltage	800V	
Coding	A	
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overvoltage category	II	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-25°C~85°C	
Contact carrier material	PA66	
Seal material	NBR	
Contact material	CuZn/CuSn	
Contact surface material	Au	
Shielded	No	
Tightening torque	0.2Nm	
Standards/specifications	IEC 61076-2-105	

M5-Male Front-Mount PCB

M5-Female Front-Mount PCB



Part Number

Part Number

A0M05 - M XXXX - 02 XX - X 3F		
Sequence Number	Positions:3 to 4	Coding:A

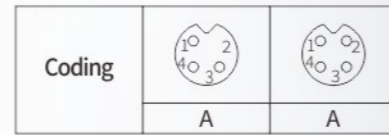
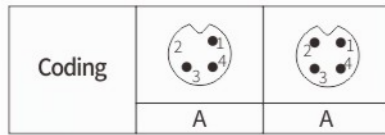
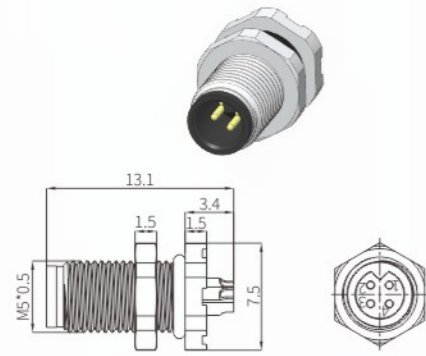
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Sequence Number	Positions:3 to 4	Coding:A

Technical Parameters

Number of Positions	3	4
Rated voltage	60V	
Rated current	1A	
Rated surge voltage	800V	
Coding	A	
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overvoltage category	II	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-25°C~85°C	
Contact carrier material	PA66	
Seal material	NBR	
Contact material	CuZn/CuSn	
Contact surface material	Au	
Shielded	No	
Tightening torque	0.2Nm	
Standards/specifications	IEC 61076-2-105	

M5-Male Front-Mount Solder

M5-Female Front-Mount Solder



Part Number

A0M05 - M XXXX - 02 XX - X 3F		
Sequence Number	Positions:3 to 4	Coding:A

Part Number

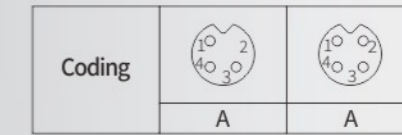
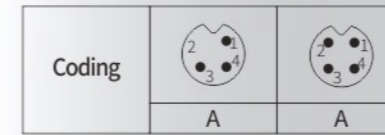
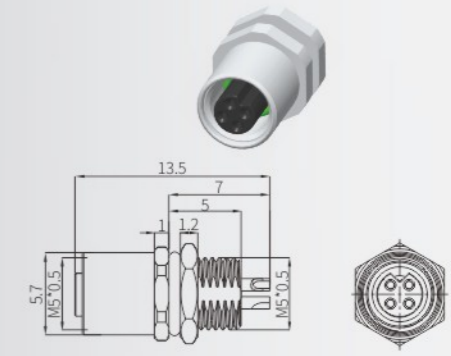
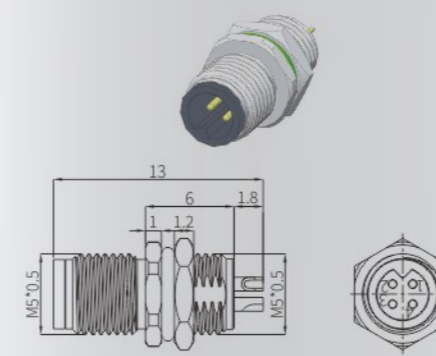
A0M05 - F XXXX - 02 XX - X 3F		
Sequence Number	Positions:3 to 4	Coding:A

Technical Parameters

Number of Positions	3	4
Rated voltage	60V	
Rated current	1A	
Rated surge voltage	800V	
Coding	A	
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overvoltage category	II	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-25°C~85°C	
Contact carrier material	PA66	
Seal material	NBR	
Contact material	CuZn/CuSn	
Contact surface material	Au	
Shielded	No	
Tightening torque	0.2Nm	
Standards/specifications	IEC 61076-2-105	

M5-Male Rear-Mount Solder

M5-Female Rear-Mount Solder



Part Number

A0M05 - M XXXX - 02 XX - X 3B		
Sequence Number	Positions:3 to 4	Coding:A

Part Number

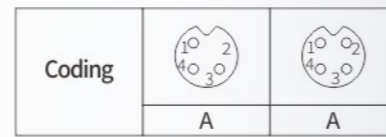
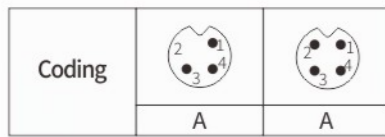
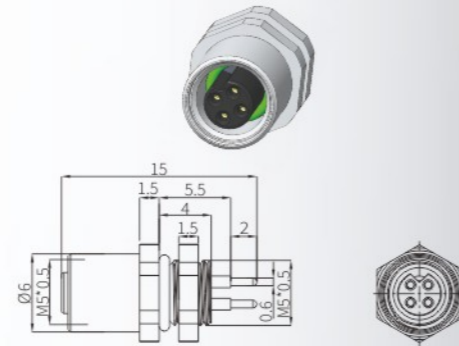
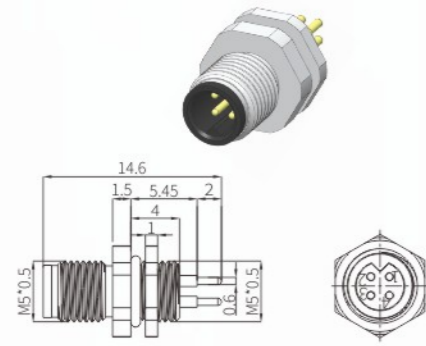
A0M05 - F XXXX - 02 XX - X 3B		
Sequence Number	Positions:3 to 4	Coding:A

Technical Parameters

Number of Positions	3	4
Rated voltage	60V	
Rated current	1A	
Rated surge voltage	800V	
Coding	A	
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overvoltage category	II	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-25°C~85°C	
Contact carrier material	PA66	
Seal material	NBR	
Contact material	CuZn/CuSn	
Contact surface material	Au	
Shielded	No	
Tightening torque	0.2Nm	
Standards/specifications	IEC 61076-2-105	

M5-Male Rear-Mount PCB

M5-Female Rear-Mount PCB



Part Number

Part Number

A0M05 - M XXXX - 02 XX - X 3B

Sequence Number	Positions:3 to 4	Coding:A
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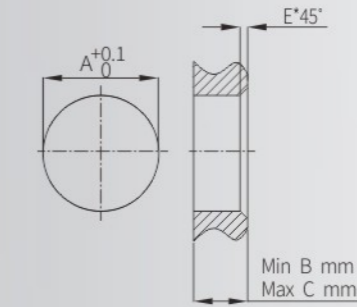
A0M05 - F XXXX - 02 XX - X 3B

Sequence Number	Positions:3 to 4	Coding:A
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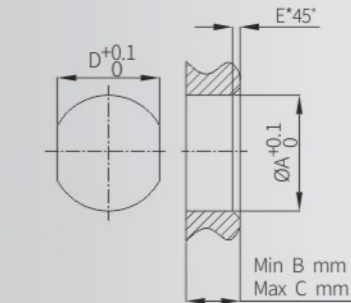
Technical Parameters

Number of Positions	3	4
Rated voltage	60V	
Rated current	1A	
Rated surge voltage	800V	
Coding	A	
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overtoltage category	II	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-25°C~85°C	
Contact carrier material	PA66	
Seal material	NBR	
Contact material	CuZn/CuSn	
Contact surface material	Au	
Shielded	No	
Tightening torque	0.2Nm	
Standards/specifications	IEC 61076-2-105	

M5-Panel Cutout

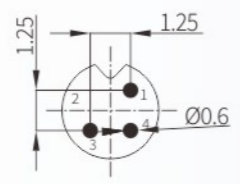
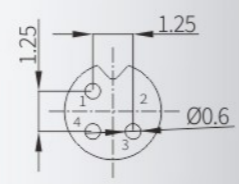
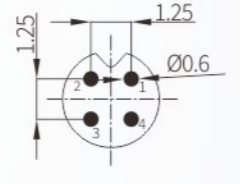
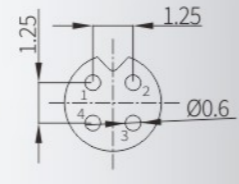


	A	B	C	E
M7*0.75	7.1	1	2	0.5
M5*0.5	5.1	1	2	0.5

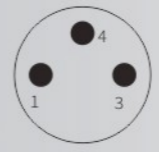
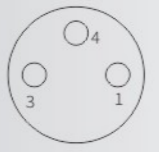

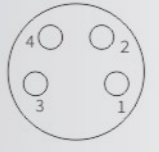





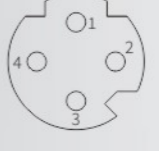
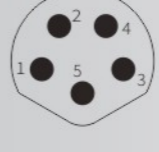



	A	B	C	D	E
M7*0.75	7.1	1	2	6.4	0.5
M5*0.5	5.1	1	2	4.5	0.5

M5-Layout

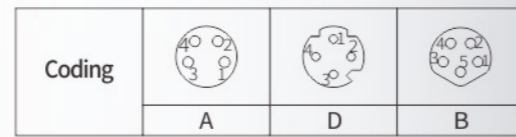
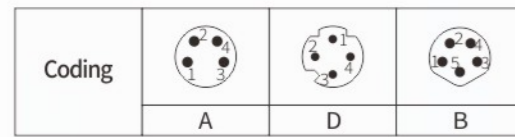
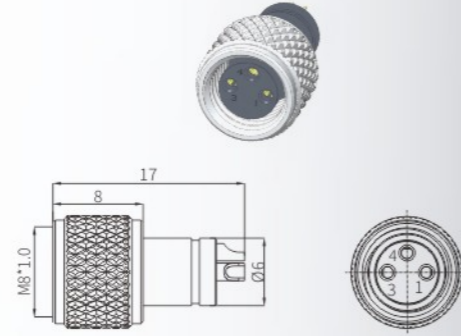
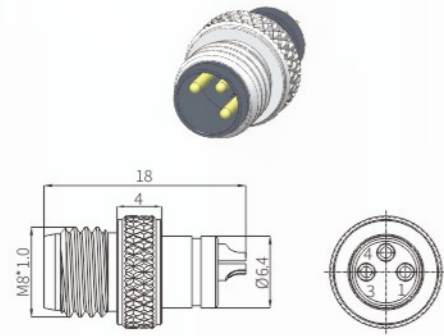
Coding	Number of Positions	Male	Female
A	3		
	4		

M8-Layout

Coding	Number of Positions	Male	Female	AWG	mm ²
A	3			24	0.25
	4			24	0.25
	6			26	0.14
	8			26	0.14
D	4			24	0.25
B	5			24	0.25

M8-Male Unshielded

M8-Female Unshielded



Part Number

A0M08 - M XXXX - 04 XX - X 3N

Sequence Number Positions:3 to 8 Coding:A B D

Part Number

A0M08 - F XXXX - 04 XX - X 3N

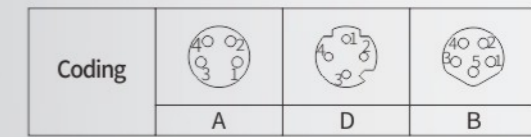
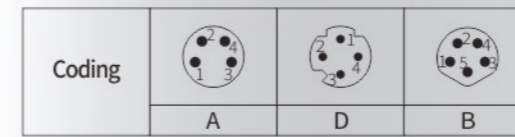
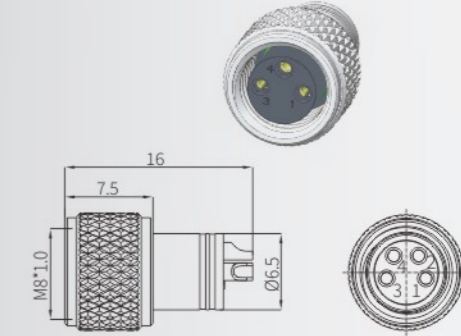
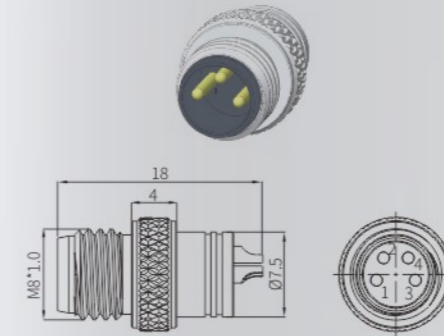
Sequence Number Positions:3 to 8 Coding:A B D

Technical Parameters

Number of Positions	3	4	5	6	8
Rated voltage	60V	60V	30V	30V	30V
Rated current	4A	4A	3A	1.5A	1.5A
Rated surge voltage	1500V	1500V	800V	800V	500V
Coding	-	A	D	B	-
Contact resistance	≤ 3 mΩ				
Insulation resistance	≥ 100MΩ				
Overtoltage category	II				
Degree of protection	IP67				
Insertion/withdrawal cycles	> 100				
Degree of pollution	3				
Ambient temperature	-40°C-85°C				
Contact carrier material	PA66				
Seal material	NBR				
Contact material	CuZn/CuSn				
Contact surface material	Au				
Shielded	No				
Tightening torque	0.3Nm				
Standards/specifications	IEC 61076-2-104/ IEC 61076-2-114				

M8-Male Plastic Assembly

M8-Female Plastic Assembly



Part Number

A0M08 - M XXXX - 01 XX - X 3N

Sequence Number Positions:3 to 8 Coding:A B D

Part Number

A0M08 - F XXXX - 01 XX - X 3N

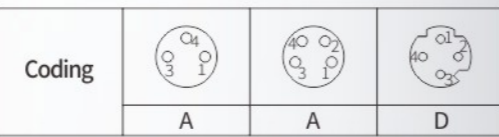
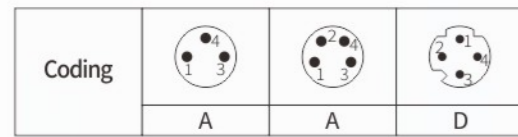
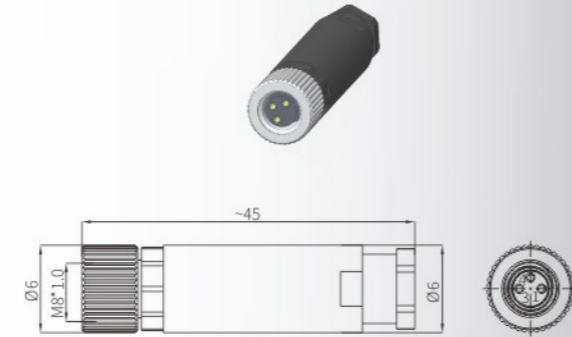
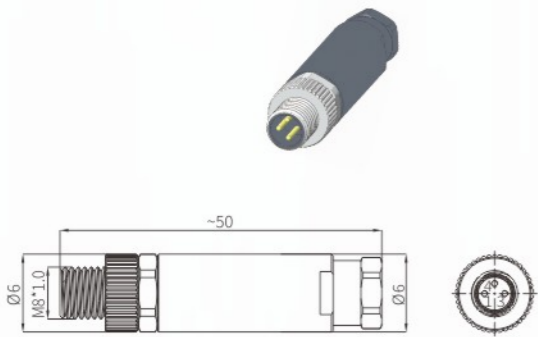
Sequence Number Positions:3 to 8 Coding:A B D

Technical Parameters

Number of Positions	3	4	5	6	8
Rated voltage	60V	60V	30V	30V	30V
Rated current	4A	4A	3A	1.5A	1.5A
Rated surge voltage	1500V	1500V	800V	800V	500V
Coding	-	A	D	B	-
Contact resistance	≤ 3 mΩ				
Insulation resistance	≥ 100MΩ				
Overtoltage category	II				
Degree of protection	IP67				
Insertion/withdrawal cycles	> 100				
Degree of pollution	3				
Ambient temperature	-40°C-85°C				
Contact carrier material	PA66				
Seal material	NBR				
Contact material	CuZn/CuSn				
Contact surface material	Au				
Shielded	Yes				
Tightening torque	0.3Nm				
Standards/specifications	IEC 61076-2-104/ IEC 61076-2-114				

M8-Male Plastic Assembly

M8-Female Plastic Assembly



Part Number

A0M08 - M XXXX - 03 XX - X 3N

Sequence Number Positions:3 to 4 Coding:A D

Part Number

A0M08 - F XXXX - 03 XX - X 3N

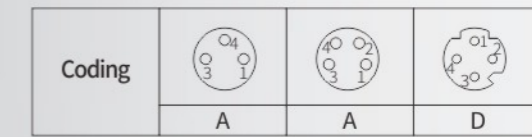
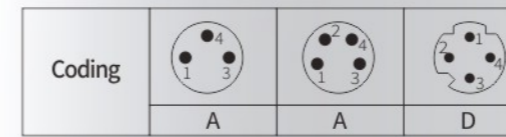
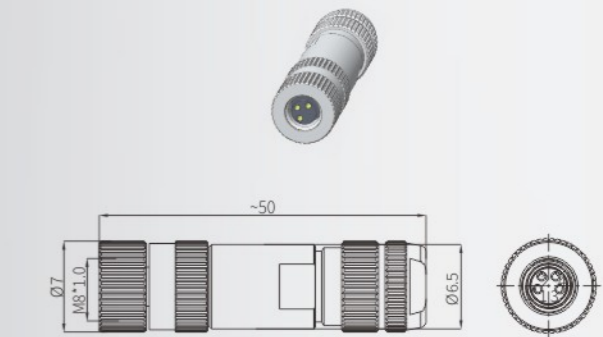
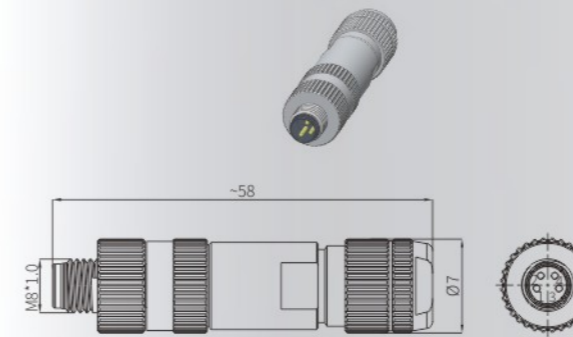
Sequence Number Positions:3 to 4 Coding:A D

Technical Parameters

Number of Positions	3	4
Rated voltage	60V	60V
Rated current	4A	4A
Rated surge voltage	1500V	1500V
Coding	A	D
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overvoltage category	II	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-40°C-85°C	
Contact carrier material	PA66	
Seal material	NBR	
Contact material	CuZn/CuSn	
Contact surface material	Au	
Shielded	No	
Tightening torque	0.3Nm	
Standards/specifications	IEC 61076-2-104/ IEC 61076-2-114	

M8-Female Plastic Assembly

M8-Female Metal Assembly



Part Number

A0M08 - M XXXX - 11 XX - X 3N

Sequence Number Positions:3 to 4 Coding:A D

Part Number

A0M08 - F XXXX - 11 XX - X 3N

Sequence Number Positions:3 to 4 Coding:A D

Technical Parameters

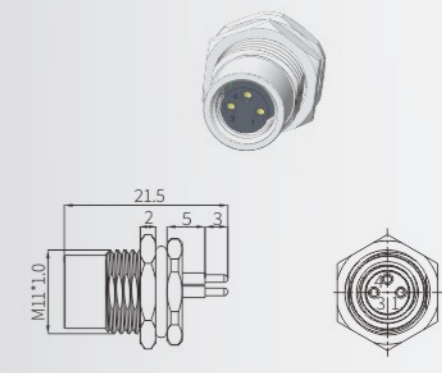
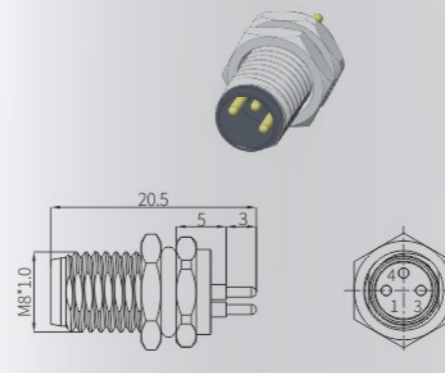
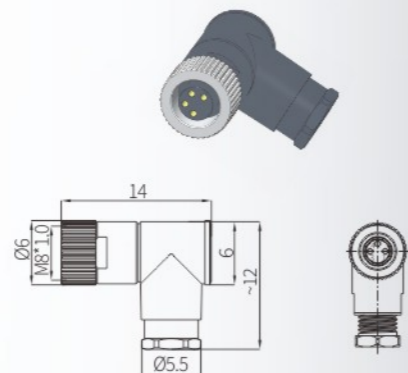
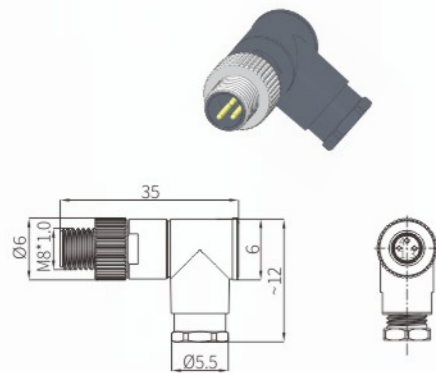
Number of Positions	3	4
Rated voltage	60V	60V
Rated current	4A	4A
Rated surge voltage	1500V	1500V
Coding	A	D
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overvoltage category	II	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-40°C-85°C	
Contact carrier material	PA66	
Seal material	NBR	
Contact material	CuZn/CuSn	
Contact surface material	Au	
Shielded	Yes	
Tightening torque	0.3Nm	
Standards/specifications	IEC 61076-2-104/ IEC 61076-2-114	

M8-Male R/A Plastic Assembly

M8-Female R/A Plastic Assembly

M8-Male Front-Mount PCB

M8-Female Front-Mount PCB



Coding

A	A	D

Coding

A	A	D

Coding

A	D	B

Coding

A	D	B

Part Number

Part Number

Part Number

Part Number

A0M08 - M XXXX - 05 XX - X 3N

Sequence Number	Positions:3 to 4	Coding:A D
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A0M08 - F XXXX - 05 XX - X 3N

Sequence Number	Positions:3 to 4	Coding:A D
-----------------	------------------	------------

A0M08 - M XXXX - 02 XX - X 3F

Sequence Number	Positions:3 to 8	Coding:A B D
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A0M08 - F XXXX - 02 XX - X 3F

Sequence Number	Positions:3 to 8	Coding:A B D
-----------------	------------------	--------------

Technical Parameters

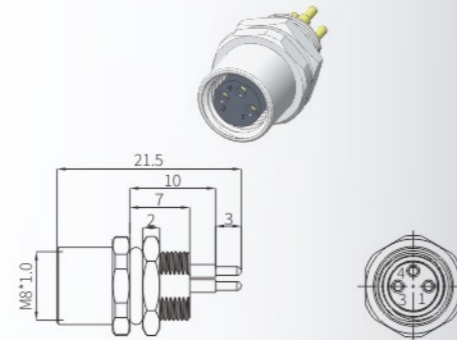
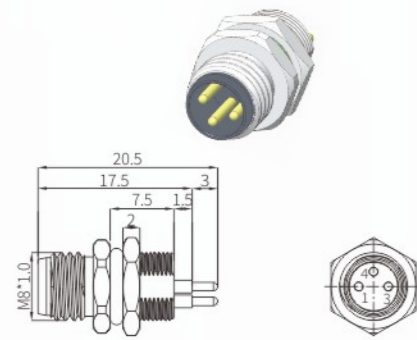
Number of Positions	3	4
Rated voltage	60V	60V
Rated current	4A	4A
Rated surge voltage	1500V	1500V
Coding	A	D
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overtoltage category	II	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-40°C~85°C	
Contact carrier material	PA66	
Seal material	NBR	
Contact material	CuZn/CuSn	
Contact surface material	Au	
Shielded	No	
Tightening torque	0.3Nm	
Standards/specifications	IEC 61076-2-104/ IEC 61076-2-114	

Technical Parameters

Number of Positions	3	4	5	6	8
Rated voltage	60V	60V	30V	30V	30V
Rated current	4A	4A	3A	1.5A	1.5A
Rated surge voltage	1500V	1500V	800V	800V	500V
Coding	A		-	A	
Contact resistance	≤ 3 mΩ				
Insulation resistance	≥ 100MΩ				
Overtoltage category	II				
Degree of protection	IP67				
Insertion/withdrawal cycles	> 100				
Degree of pollution	3				
Ambient temperature	-40°C~85°C				
Contact carrier material	PA66				
Seal material	NBR				
Contact material	CuZn/CuSn				
Contact surface material	Au				
Shielded	No				
Tightening torque	0.3Nm				
Standards/specifications	IEC 61076-2-104/ IEC 61076-2-114				

M8-Male Rear-Mount PCB

M8-Female Rear-Mount PCB



Coding			
	A	D	B

Coding			
	A	D	B

Part Number

Part Number

A0M08 - M XXXX - 02 XX - X 3B		
Sequence Number	Positions:3 to 8	Coding:A B D

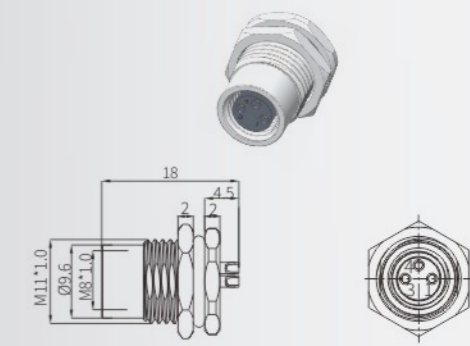
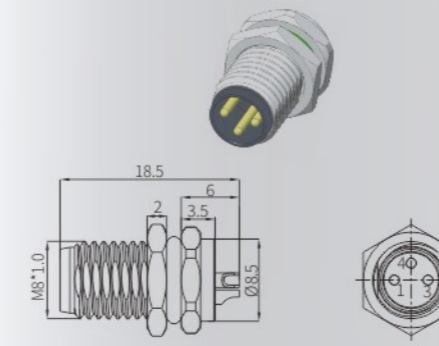
A0M08 - F XXXX - 02 XX - X 3B		
Sequence Number	Positions:3 to 8	Coding:A B D

Technical Parameters

Number of Positions	3	4	5	6	8
Rated voltage	60V	60V	30V	30V	30V
Rated current	4A	4A	3A	1.5A	1.5A
Rated surge voltage	1500V	1500V	800V	800V	500V
Coding	A		-	A	
	-	D	B	-	
Contact resistance	≤ 3 mΩ				
Insulation resistance	≥ 100MΩ				
Overtoltage category	II				
Degree of protection	IP67				
Insertion/withdrawal cycles	> 100				
Degree of pollution	3				
Ambient temperature	-40°C~85°C				
Contact carrier material	PA66				
Seal material	NBR				
Contact material	CuZn/CuSn				
Contact surface material	Au				
Shielded	No				
Tightening torque	0.3Nm				
Standards/specifications	IEC 61076-2-104/ IEC 61076-2-114				

M8-Male Front-Mount Solder

M8-Female Front-Mount Solder



Coding			
	A	D	B

Coding			
	A	D	B

Part Number

Part Number

A0M08 - M XXXX - 02 XX - X 3F		
Sequence Number	Positions:3 to 8	Coding:A B D

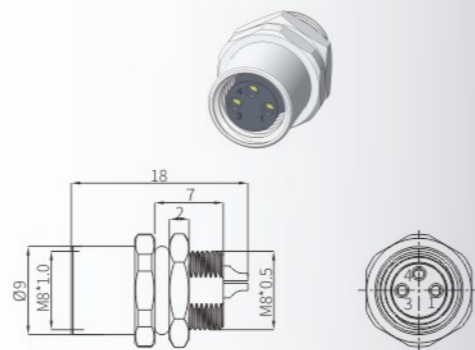
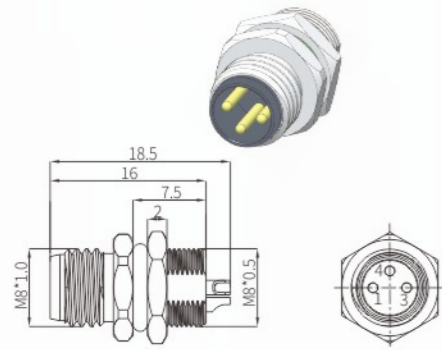
A0M08 - F XXXX - 02 XX - X 3F		
Sequence Number	Positions:3 to 8	Coding:A B D

Technical Parameters

Number of Positions	3	4	5	6	8
Rated voltage	60V	60V	30V	30V	30V
Rated current	4A	4A	3A	1.5A	1.5A
Rated surge voltage	1500V	1500V	800V	800V	500V
Coding	A		-	A	
	-	D	B	-	
Contact resistance	≤ 3 mΩ				
Insulation resistance	≥ 100MΩ				
Overtoltage category	II				
Degree of protection	IP67				
Insertion/withdrawal cycles	> 100				
Degree of pollution	3				
Ambient temperature	-40°C~85°C				
Contact carrier material	PA66				
Seal material	NBR				
Contact material	CuZn/CuSn				
Contact surface material	Au				
Shielded	No				
Tightening torque	0.3Nm				
Standards/specifications	IEC 61076-2-104/ IEC 61076-2-114				

M8-Male Rear-Mount Solder

M8-Female Rear-Mount Solder



Coding			
	A	D	B

Coding			
	A	D	B

Part Number

Part Number

A0M08 - M XXXX - 02 XX - X 3B		
Sequence Number	Positions:3 to 8	Coding:A B D

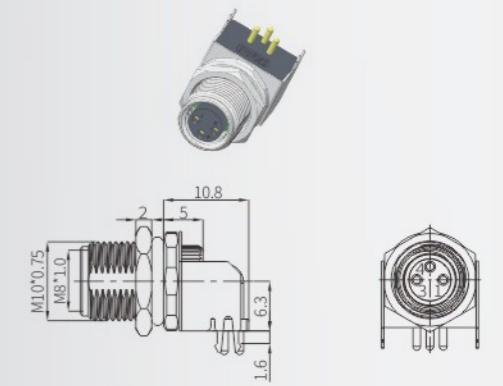
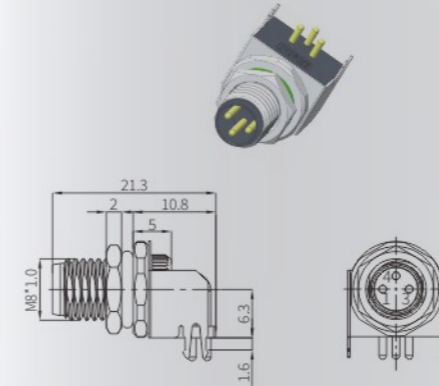
A0M08 - F XXXX - 04 XX - X 3B		
Sequence Number	Positions:3 to 8	Coding:A B D

Technical Parameters

Number of Positions	3	4	5	6	8
Rated voltage	60V	60V	30V	30V	30V
Rated current	4A	4A	3A	1.5A	1.5A
Rated surge voltage	1500V	1500V	800V	800V	500V
Coding	A		-	A	
	-	D	B	-	
Contact resistance	≤ 3 mΩ				
Insulation resistance	≥ 100MΩ				
Overtoltage category	II				
Degree of protection	IP67				
Insertion/withdrawal cycles	> 100				
Degree of pollution	3				
Ambient temperature	-40°C~85°C				
Contact carrier material	PA66				
Seal material	NBR				
Contact material	CuZn/CuSn				
Contact surface material	Au				
Shielded	No				
Tightening torque	0.3Nm				
Standards/specifications	IEC 61076-2-104/ IEC 61076-2-114				

M8-Male 90°Shielded Bend

M8-Female 90°Shielded Bend



Coding			
	A	D	B

Coding			
	A	D	B

Part Number

Part Number

A0M08 - M XXXX - 25 XX - X 3B		
Sequence Number	Positions:3 to 8	Coding:A B D

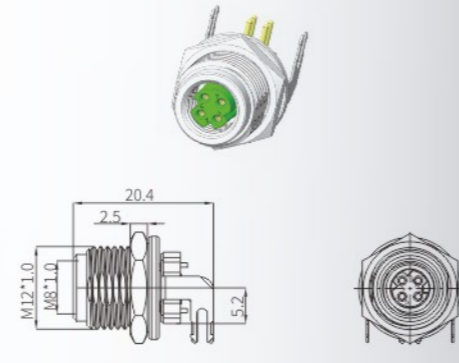
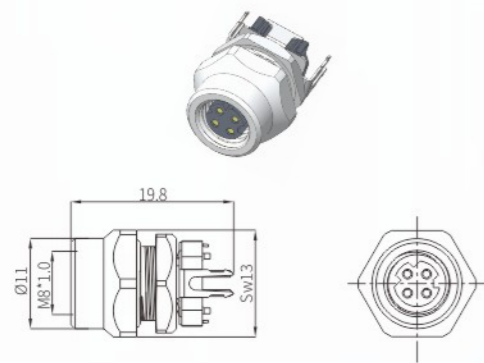
A0M08 - F XXXX - 25 XX - X 3B		
Sequence Number	Positions:3 to 8	Coding:A B D

Technical Parameters

Number of Positions	3	4	5	6	8
Rated voltage	60V	60V	30V	30V	30V
Rated current	4A	4A	3A	1.5A	1.5A
Rated surge voltage	1500V	1500V	800V	800V	500V
Coding	A		-	A	
	-	D	B	-	
Contact resistance	≤ 3 mΩ				
Insulation resistance	≥ 100MΩ				
Overtoltage category	II				
Degree of protection	IP67				
Insertion/withdrawal cycles	> 100				
Degree of pollution	3				
Ambient temperature	-40°C~85°C				
Contact carrier material	PA66				
Seal material	NBR				
Contact material	CuZn/CuSn				
Contact surface material	Au				
Shielded	Yes				
Tightening torque	0.3Nm				
Standards/specifications	IEC 61076-2-104/ IEC 61076-2-114				

M8-Male Front-Mount Shielded Claw

M8-Male R/A Shielded Claw



Coding			
	A	D	B

Coding			
	A	D	B

Part Number

Part Number

A0M08 - F XXXX - 28 XX - X 3F		
Sequence Number	Positions:3 to 8	Coding:A B D

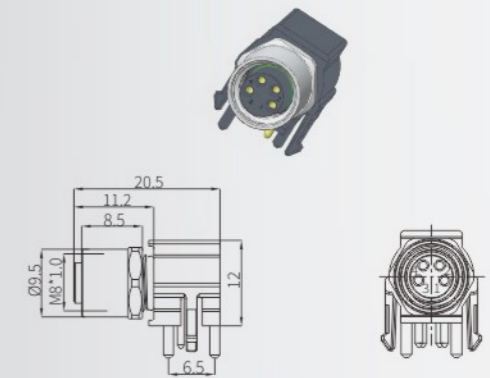
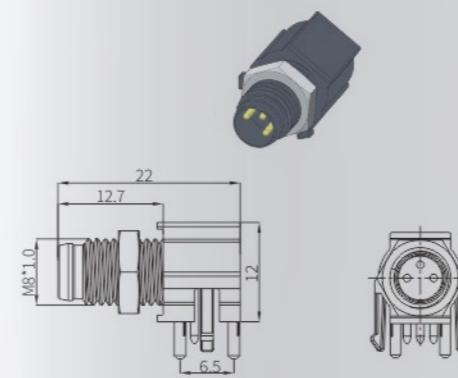
A0M08 - F XXXX - 28 XX - X 3F		
Sequence Number	Positions:3 to 8	Coding:A B D

Technical Parameters

Number of Positions	3	4	5	6	8
Rated voltage	60V	60V	30V	30V	30V
Rated current	4A	4A	3A	1.5A	1.5A
Rated surge voltage	1500V	1500V	800V	800V	500V
Coding	A		-	A	
	-	D	B	-	
Contact resistance	≤ 3 mΩ				
Insulation resistance	≥ 100MΩ				
Overtoltage category	II				
Degree of protection	IP67				
Insertion/withdrawal cycles	> 100				
Degree of pollution	3				
Ambient temperature	-40°C~85°C				
Contact carrier material	PA66				
Seal material	NBR				
Contact material	CuZn/CuSn				
Contact surface material	Au				
Shielded	Yes				
Tightening torque	0.3Nm				
Standards/specifications	IEC 61076-2-104/ IEC 61076-2-114				

M8-Male R/A Plastic

M8-Female R/A Plastic



Coding			
	A	D	B

Coding			
	A	D	B

Part Number

Part Number

A0M08 - M XXXX - 06 XX - X 3F		
Sequence Number	Positions:3 to 8	Coding:A B D

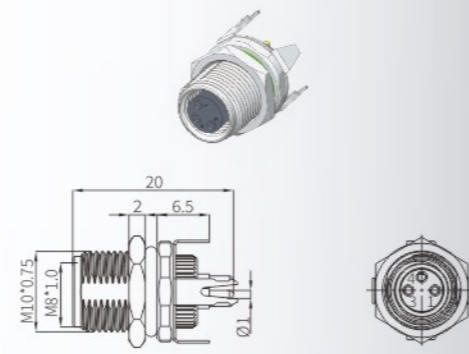
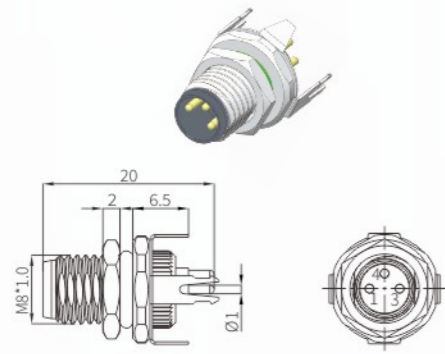
A0M08 - F XXXX - 06 XX - X 3F		
Sequence Number	Positions:3 to 8	Coding:A B D

Technical Parameters

Number of Positions	3	4	5	6	8
Rated voltage	60V	60V	30V	30V	30V
Rated current	4A	4A	3A	1.5A	1.5A
Rated surge voltage	1500V	1500V	800V	800V	500V
Coding	A		-	A	
	-	D	B	-	
Contact resistance	≤ 3 mΩ				
Insulation resistance	≥ 100MΩ				
Overtoltage category	II				
Degree of protection	IP67				
Insertion/withdrawal cycles	> 100				
Degree of pollution	3				
Ambient temperature	-40°C~85°C				
Contact carrier material	PA66				
Seal material	NBR				
Contact material	CuZn/CuSn				
Contact surface material	Au				
Shielded	No				
Tightening torque	0.3Nm				
Standards/specifications	IEC 61076-2-104/ IEC 61076-2-114				

M8-Male Shielded Jaw Upright Seat

M8-Female Shielded Jaw Upright Seat



Coding			
	A	D	B

Coding			
	A	D	B

Part Number

A0M08 - F XXXX - 32 XX - X 3F		
Sequence Number	Positions:3 to 8	Coding:A B D

Part Number

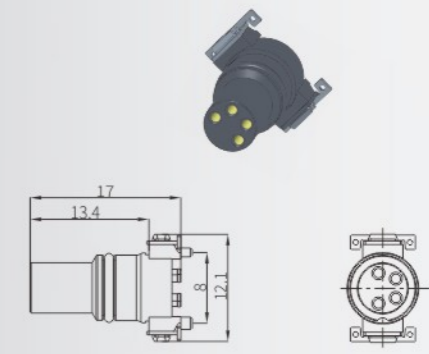
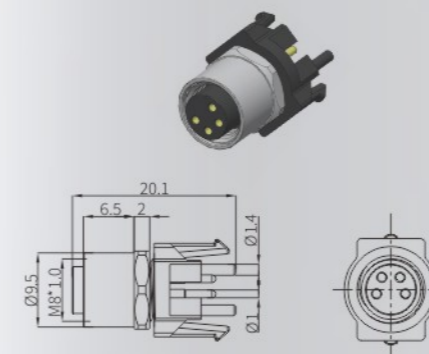
A0M08 - F XXXX - 32 XX - X 3F		
Sequence Number	Positions:3 to 8	Coding:A B D

Technical Parameters

Number of Positions	3	4	5	6	8
Rated voltage	60V	60V	30V	30V	30V
Rated current	4A	4A	3A	1.5A	1.5A
Rated surge voltage	1500V	1500V	800V	800V	500V
Coding	A		-	A	
	-	D	B	-	
Contact resistance	≤ 3 mΩ				
Insulation resistance	≥ 100MΩ				
Overtoltage category	II				
Degree of protection	IP67				
Insertion/withdrawal cycles	> 100				
Degree of pollution	3				
Ambient temperature	-40°C-85°C				
Contact carrier material	PA66				
Seal material	NBR				
Contact material	CuZn/CuSn				
Contact surface material	Au				
Shielded	Yes				
Tightening torque	0.3Nm				
Standards/specifications	IEC 61076-2-104/ IEC 61076-2-114				

M8-Male Upright Seat

M8-Female SMD Mountings



Coding			
	A	D	B

Coding			
	A	D	B

Part Number

A0M08 - M XXXX - 18 XX - X 3F		
Sequence Number	Positions:3 to 8	Coding:A B D

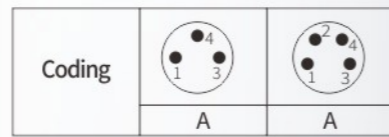
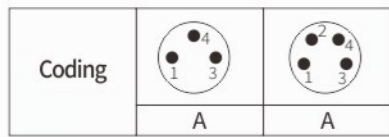
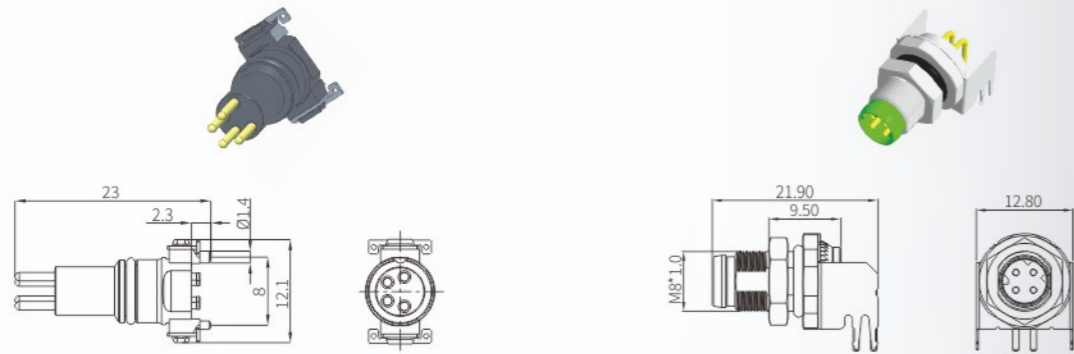
Part Number

A0M08 - F XXXX - 09 XX - X 3N		
Sequence Number	Positions:3 to 8	Coding:A B D

Technical Parameters

Number of Positions	3	4	5	6	8
Rated voltage	60V	60V	30V	30V	30V
Rated current	4A	4A	3A	1.5A	1.5A
Rated surge voltage	1500V	1500V	800V	800V	500V
Coding	A		-	A	
	-	D	B	-	
Contact resistance	≤ 3 mΩ				
Insulation resistance	≥ 100MΩ				
Overtoltage category	II				
Degree of protection	IP67				
Insertion/withdrawal cycles	> 100				
Degree of pollution	3				
Ambient temperature	-40°C-85°C				
Contact carrier material	PA66				
Seal material	NBR				
Contact material	CuSn				
Contact surface material	Au				
Shielded	No				
Tightening torque	0.3Nm				
Standards/specifications	IEC 61076-2-104/ IEC 61076-2-114				

M8-Male SMD Mounting



Part Number

A0M08 - M XXXX - 05 XX - X 3N

Sequence Number	Positions:3 to 8	Coding:A
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Part Number

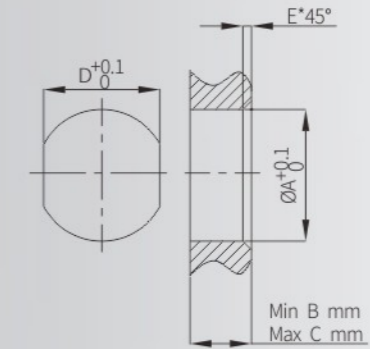
A0M08 - M XXXX - 28 XX - X 3N

Sequence Number	Positions:3 to 8	Coding:A
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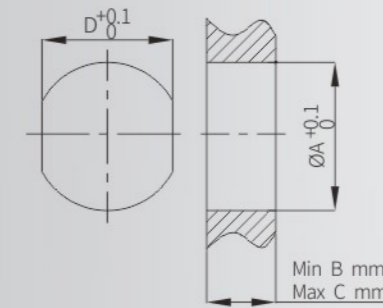
Technical Parameters

Number of Positions	3	4
Rated voltage	60V	60V
Rated current	4A	4A
Rated surge voltage	1500V	1500V
Coding	A	
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overtoltage category	II	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-40°C-85°C	
Contact carrier material	PA66	
Seal material	NBR	
Contact material	CuZn	
Contact surface material	Au	
Shielded	No	
Tightening torque	-	
Standards/specifications	IEC 61076-2-104/ IEC 61076-2-114	

M8-Panel Cutout



	A	B	C	D	E
M8*1.0	8.1	1.5	3.5	7.1	1
M10*0.75	10.1	1.5	6.5	9.1	1
M12*1.0	12.1	2.5	4.5	10	1

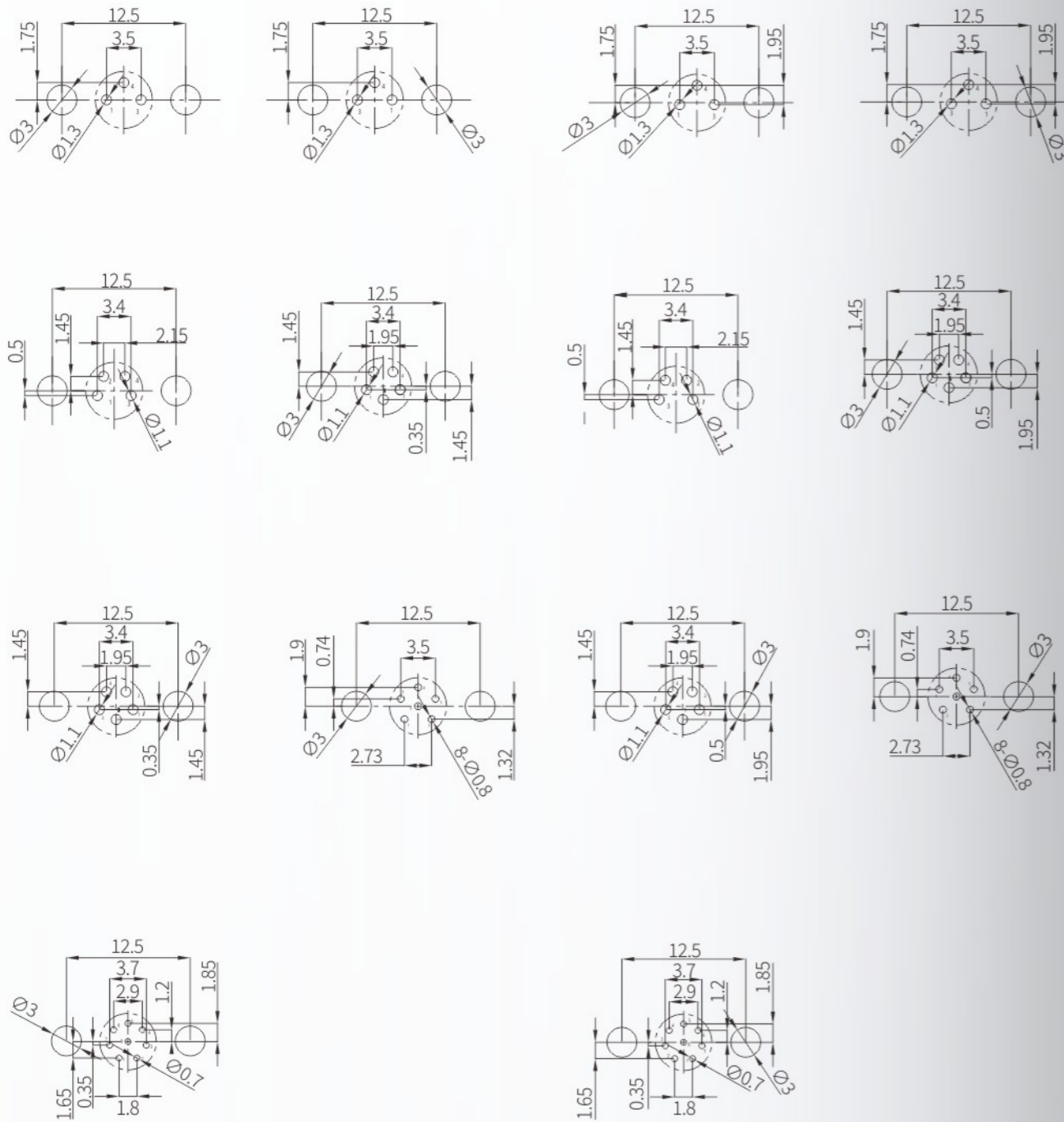


	A	B	C	D
M8*1.0	8.1	1.5	3.5	7.1
M10*0.75	10.1	1.5	6.5	9.1
M12*1.0	12.1	2.5	4.5	10

M8-PCB Cutout

Drilling schemes male insert (PCB), shielding sheet

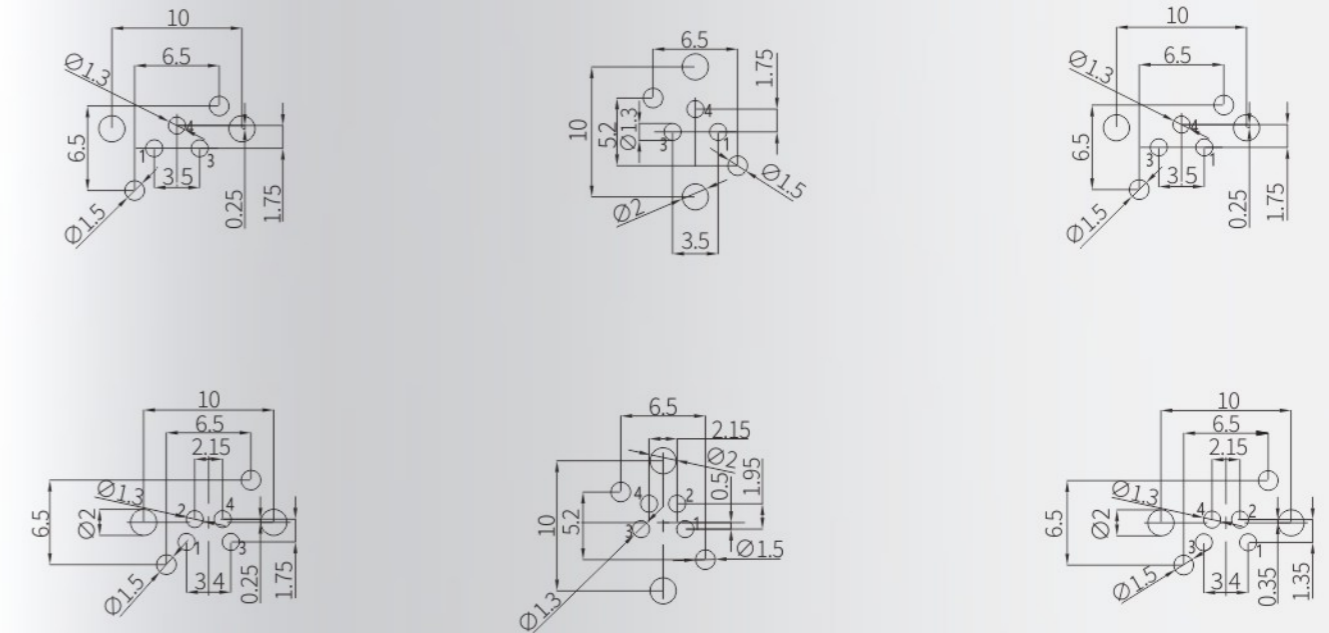
Drilling schemes female insert (PCB), shielding sheet



M8-PCB Cutout

Drilling schemes male insert (PCB), shielding sheet

Drilling schemes female insert (PCB), shielding sheet



M8-Layout

Coding	Number of Positions	Male	Female
A	3		
	4		
	6		
	8		
D	4		
B	5		

M8-Dust Cover



Part Number

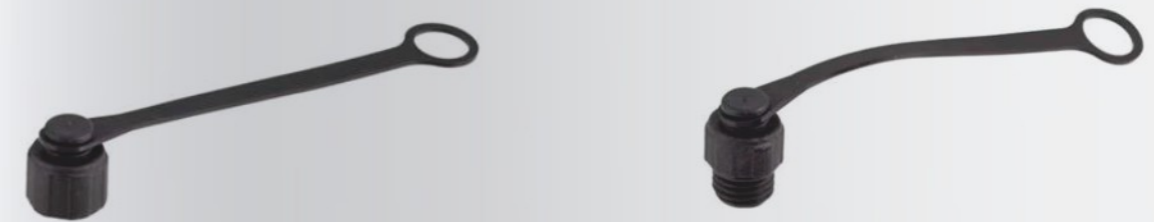
A0M08 - X XXXX - 19 XX - X 0N

M=Male F=Female Sequence Number

Part Number

A0M08 - X XXXX - 19 XX - X 0N

M=Male F=Female Sequence Number



Part Number

A0M08 - X XXXX - 19 XX - X 0N

M=Male F=Female Sequence Number

Part Number

A0M08 - X XXXX - 19 XX - X 0N

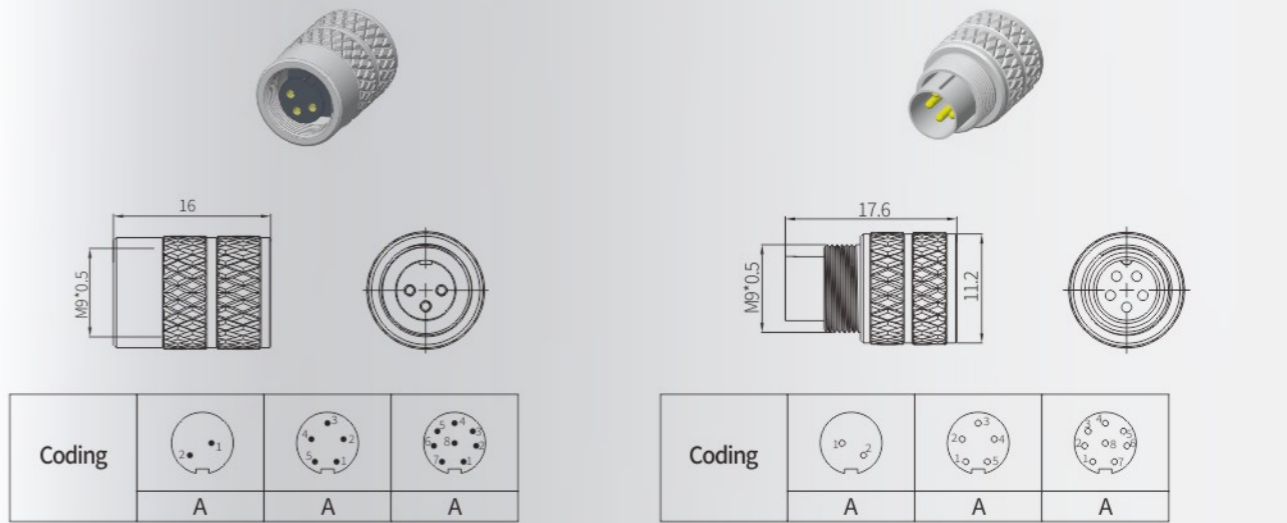
M=Male F=Female Sequence Number

M9-Layout

Coding	Number of Positions	Male	Female	AWG	mm ²
A	2			24	0.25
	3			24	0.25
	4			26	0.14
	5			26	0.14
	7			26	0.14
	8			26	0.14

M9-Male Solder

M9-Female Solder



Part Number

A0M09 - M XXXX - 04 XX - X 3N		
Sequence Number	Positions:2 to 8	Coding:A

Part Number

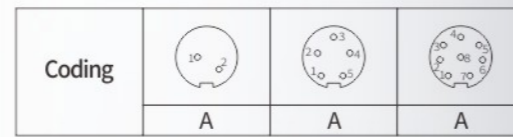
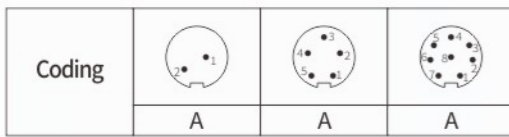
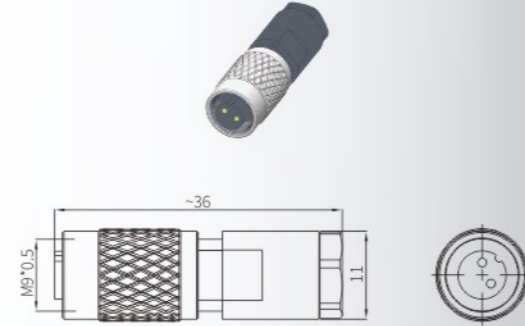
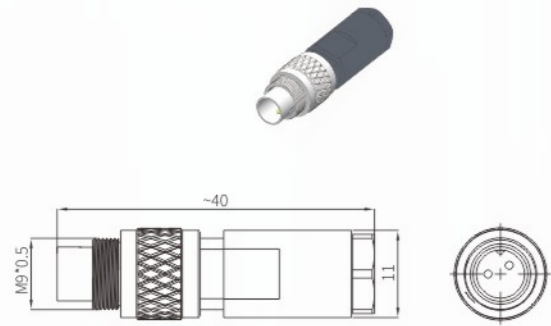
A0M09 - F XXXX - 04 XX - X 3N		
Sequence Number	Positions:2 to 8	Coding:A

Technical Parameters

Number of Positions	2	3	4	5	7	8
Rated voltage	125V					
Rated current	4A		3A		1A	
Rated surge voltage	1500V					
Coding	A					
Contact resistance	≤ 5 mΩ					
Insulation resistance	≥ 100MΩ					
Overtoltage category	II					
Degree of protection	IP67					
Insertion/withdrawal cycles	> 100					
Degree of pollution	1					
Ambient temperature	-40°C~85°C					
Contact carrier material	PBT					
Seal material	EPDM					
Contact material	CuZn / CuSn					
Contact surface material	Au					
Shielded	Yes					
Tightening torque	0.3Nm					
Standards/specifications	-					

M9-Male Plastic Assembly

M9-Female Plastic Assembly



Part Number



Part Number

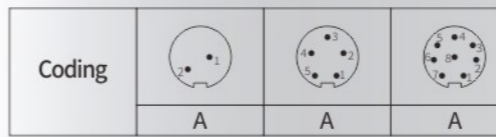
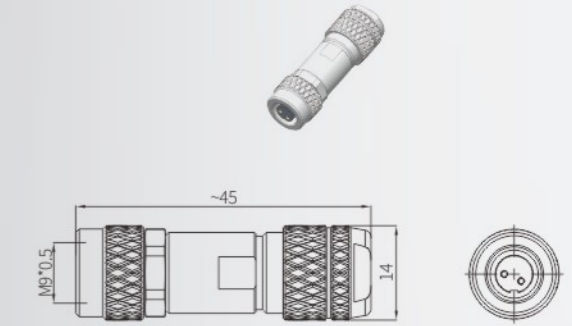
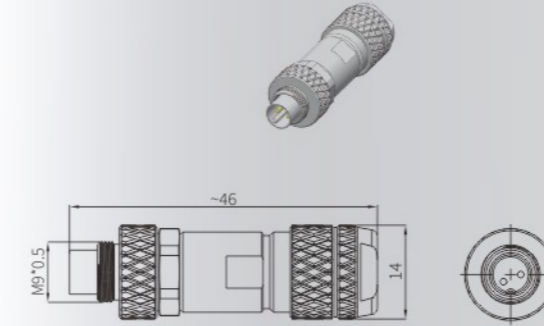


Technical Parameters

Number of Positions	2	3	4	5	7	8
Rated voltage	125V					
Rated current	4A		3A		1A	
Rated surge voltage	1500V					
Coding	A					
Contact resistance	≤ 5 mΩ					
Insulation resistance	≥ 100MΩ					
Overtoltage category	II					
Degree of protection	IP67					
Insertion/withdrawal cycles	> 100					
Degree of pollution	1					
Ambient temperature	-40°C~85°C					
Contact carrier material	PBT					
Seal material	EPDM					
Contact material	CuZn/CuSn					
Contact surface material	Au					
Shielded	No					
Tightening torque	0.3Nm					
Standards/specifications	-					

M9-Male Metal Assembly

M9-Female Metal Assembly



Part Number



Part Number

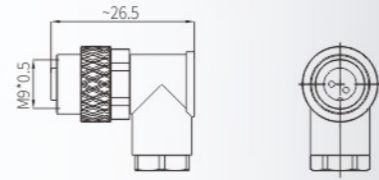
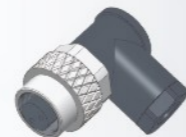
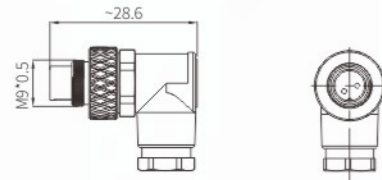


Technical Parameters

Number of Positions	2	3	4	5	7	8
Rated voltage	125V					
Rated current	4A		3A		1A	
Rated surge voltage	1500V					
Coding	A					
Contact resistance	≤ 5 mΩ					
Insulation resistance	≥ 100MΩ					
Overtoltage category	II					
Degree of protection	IP67					
Insertion/withdrawal cycles	> 100					
Degree of pollution	1					
Ambient temperature	-40°C~85°C					
Contact carrier material	PBT					
Seal material	EPDM					
Contact material	CuZn/CuSn					
Contact surface material	Au					
Shielded	Yes					
Tightening torque	0.3Nm					
Standards/specifications	-					

M9-Male R/A Plastic Assembly

M9-Female R/A Plastic Assembly



Coding			
	A	A	A

Coding			
	A	A	A

Part Number

A0M09 - M XXXX - 05 XX - X 3N		
Sequence Number	Positions:2 to 8	Coding:A

Part Number

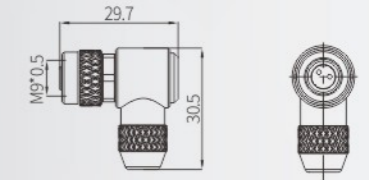
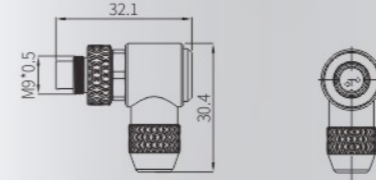
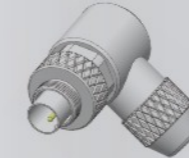
A0M09 - F XXXX - 05 XX - X 3N		
Sequence Number	Positions:2 to 8	Coding:A

Technical Parameters

Number of Positions	2	3	4	5	7	8
Rated voltage	125V					
Rated current	4A		3A		1A	
Rated surge voltage	1500V					
Coding	A					
Contact resistance	≤ 5 mΩ					
Insulation resistance	≥ 100MΩ					
Overtoltage category	II					
Degree of protection	IP67					
Insertion/withdrawal cycles	> 100					
Degree of pollution	1					
Ambient temperature	-40°C~85°C					
Contact carrier material	PBT					
Seal material	EPDM					
Contact material	CuZn/CuSn					
Contact surface material	Au					
Shielded	No					
Tightening torque	0.3Nm					
Standards/specifications	-					

M9-Male R/A Metal Assembly

M9-Female R/A Metal Assembly



Coding			
	A	A	A

Coding			
	A	A	A

Part Number

A0M09 - M XXXX - 12 XX - X 3N		
Sequence Number	Positions:2 to 8	Coding:A

Part Number

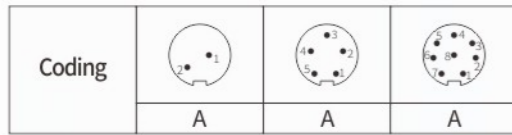
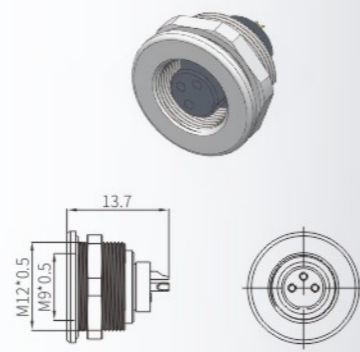
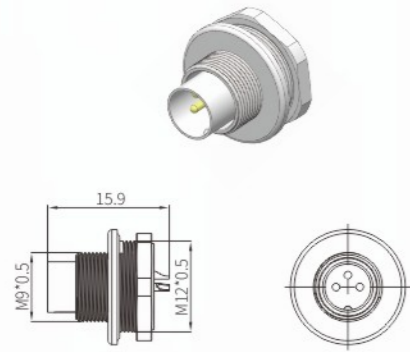
A0M09 - F XXXX - 12 XX - X 3N		
Sequence Number	Positions:2 to 8	Coding:A

Technical Parameters

Number of Positions	2	3	4	5	7	8
Rated voltage	125V					
Rated current	4A		3A		1A	
Rated surge voltage	1500V					
Coding	A					
Contact resistance	≤ 5 mΩ					
Insulation resistance	≥ 100MΩ					
Overtoltage category	II					
Degree of protection	IP67					
Insertion/withdrawal cycles	> 100					
Degree of pollution	1					
Ambient temperature	-40°C~85°C					
Contact carrier material	PBT					
Seal material	EPDM					
Contact material	CuZn/CuSn					
Contact surface material	Au					
Shielded	Yes					
Tightening torque	0.3Nm					
Standards/specifications	-					

M9-Male Rear-Mount Solder

M9-Female Rear-Mount Solder



Part Number

A0M09 - M XXXX - 02 XX - X 3N		
Sequence Number	Positions:2 to 8	Coding:A

Part Number

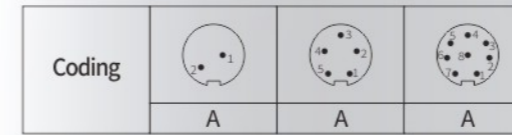
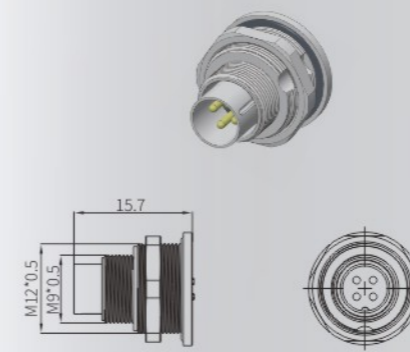
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Sequence Number	Positions:2 to 8	Coding:A

Technical Parameters

Number of Positions	2	3	4	5	7	8
Rated voltage	125V					
Rated current	4A		3A		1A	
Rated surge voltage	1500V					
Coding	A					
Contact resistance	≤ 5 mΩ					
Insulation resistance	≥ 100MΩ					
Overtoltage category	II					
Degree of protection	IP67					
Insertion/withdrawal cycles	> 100					
Degree of pollution	1					
Ambient temperature	-40°C~85°C					
Contact carrier material	PBT					
Seal material	EPDM					
Contact material	CuZn/CuSn					
Contact surface material	Au					
Shielded	No					
Tightening torque	0.3Nm					
Standards/specifications	-					

M9-Male Front-Mount Solder

M9-Female Front-Mount Solder



Part Number

A0M09 - M XXXX - 02 XX - X 3N		
Sequence Number	Positions:2 to 8	Coding:A

Part Number

A0M09 - F XXXX - 02 XX - X 3N		
Sequence Number	Positions:2 to 8	Coding:A

Technical Parameters

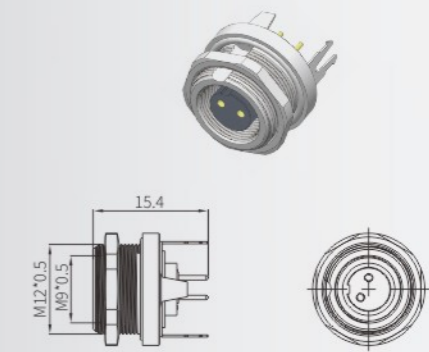
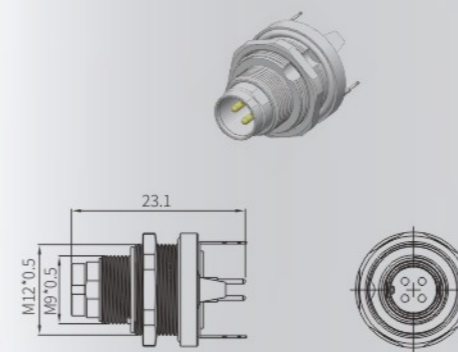
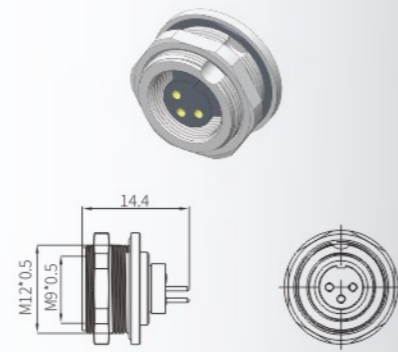
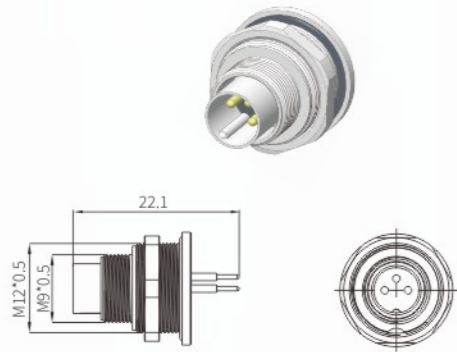
Number of Positions	2	3	4	5	7	8
Rated voltage	125V					
Rated current	4A		3A		1A	
Rated surge voltage	1500V					
Coding	A					
Contact resistance	≤ 5 mΩ					
Insulation resistance	≥ 100MΩ					
Overtoltage category	II					
Degree of protection	IP67					
Insertion/withdrawal cycles	> 100					
Degree of pollution	1					
Ambient temperature	-40°C~85°C					
Contact carrier material	PBT					
Seal material	EPDM					
Contact material	CuZn/CuSn					
Contact surface material	Au					
Shielded	No					
Tightening torque	0.3Nm					
Standards/specifications	-					

M9-Male PCB Socket

M9-Female PCB Socket

M9-Male PCB Socket

M9-Female PCB Socket



Coding			
	A	A	A

Coding			
	A	A	A

Coding			
	A	A	A

Coding			
	A	A	A

Part Number

Part Number

A0M09 - M XXXX - 02 XX - X 3N		
Sequence Number	Positions:2 to 8	Coding:A

A0M09 - F XXXX - 02 XX - X 3N		
Sequence Number	Positions:2 to 8	Coding:A

Part Number

Part Number

A0M09 - M XXXX - 02 XX - X 3N		
Sequence Number	Positions:2 to 8	Coding:A

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Sequence Number	Positions:2 to 8	Coding:A

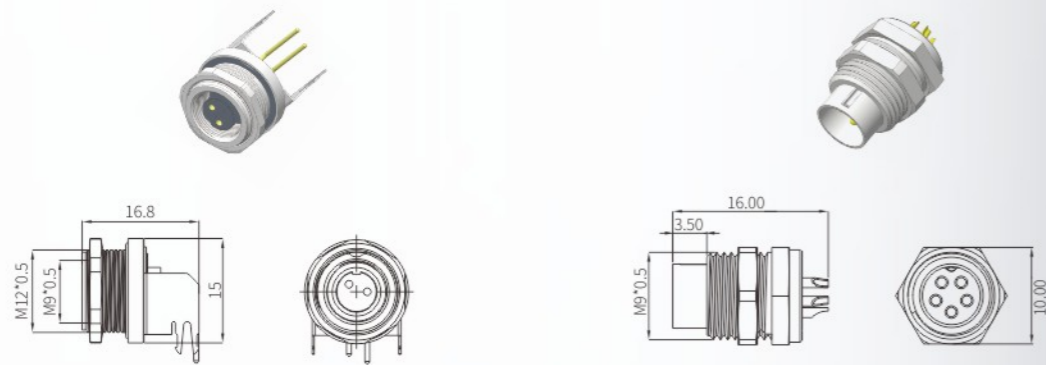
Technical Parameters

Number of Positions	2	3	4	5	7	8
Rated voltage	125V					
Rated current	4A		3A		1A	
Rated surge voltage	1500V					
Coding	A					
Contact resistance	≤ 5 mΩ					
Insulation resistance	≥ 100MΩ					
Overvoltage category	II					
Degree of protection	IP67					
Insertion/withdrawal cycles	> 100					
Degree of pollution	1					
Ambient temperature	-40°C~85°C					
Contact carrier material	PBT					
Seal material	EPDM					
Contact material	CuZn/CuSn					
Contact surface material	Au					
Shielded	No					
Tightening torque	0.3Nm					
Standards/specifications	-					

Technical Parameters

Number of Positions	2	3	4	5	7	8
Rated voltage	125V					
Rated current	4A		3A		1A	
Rated surge voltage	1500V					
Coding	A					
Contact resistance	≤ 5 mΩ					
Insulation resistance	≥ 100MΩ					
Overvoltage category	II					
Degree of protection	IP67					
Insertion/withdrawal cycles	> 100					
Degree of pollution	1					
Ambient temperature	-40°C~85°C					
Contact carrier material	PBT					
Seal material	EPDM					
Contact material	CuZn/CuSn					
Contact surface material	Au					
Shielded	Yes					
Tightening torque	0.3Nm					
Standards/specifications	-					

M9-Female Front-Mount R/A Shielded



Coding			
	A	A	A

Coding			
	A	A	A

Part Number

A0M09 - F XXXX - 04 XX - X 3N		
Sequence Number	Positions:2 to 8	Coding:A

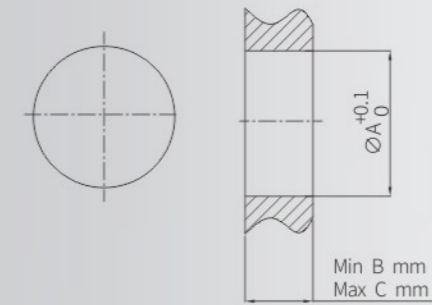
Part Number

A0M09 - F XXXX - 02 XX - X 3N		
Sequence Number	Positions:2 to 8	Coding:A

Technical Parameters

Number of Positions	2	3	4	5	7	8
Rated voltage	125V					
Rated current	4A	3A		1A		
Rated surge voltage	1500V					
Coding	A					
Contact resistance	≤ 5 mΩ					
Insulation resistance	≥ 100MΩ					
Overtoltage category	II					
Degree of protection	IP67					
Insertion/withdrawal cycles	> 100					
Degree of pollution	1					
Ambient temperature	-40°C~85°C					
Contact carrier material	PBT					
Seal material	EPDM					
Contact material	CuZn/CuSn					
Contact surface material	Au					
Shielded	No					
Tightening torque	0.3Nm					
Standards/specifications	-					

M9-Panel Cutout

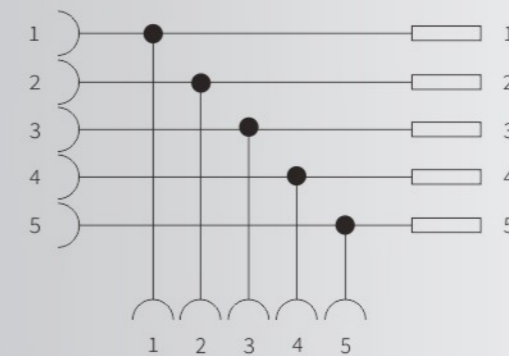
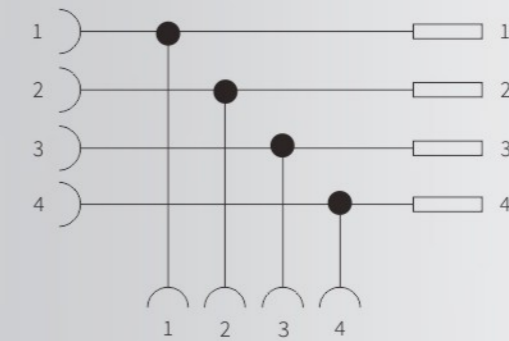


	A(mm)	B(mm)	C(mm)
M12*0.5	12.1	1	3.5

M9-Layout

Coding	Number of Positions	Male	Female
A	2		
	3		
	4		
	5		
	7		
	8		

M9-Wiring Definition



M12-Layout

Coding	Number of Positions	Male	Female	AWG	mm ²
A	2			22	0.34
	3			22	0.34
	4			22	0.34
	5			22	0.34
	8			24	0.25
	12			26	0.14
	17			26	0.14
B	4			22	0.34
	5			22	0.34
C	3			22	0.34
	4			22	0.34
	5			22	0.34
	6			24	0.25

M12-Layout

Coding	Number of Positions	Male	Female	AWG	mm ²
D	5			22	0.34
S	2			16	1.3
	2+PE			16	1.3
	3+PE			16	1.3
T	2			16	1.3
	2+PE			16	1.3
	3+PE			16	1.3
K	2			16	1.3
	2+PE			16	1.3
	3+PE			16	1.3
L	2			16	1.3

M12-Layout

Coding	Number of Positions	Male	Female	AWG	mm ²
L	3+PE			16	1.3
	4			16	1.3
	4+PE			16	1.3
M	2			18	0.75
	2+PE			18	0.75
	3+PE			18	0.75
	4+PE			18	0.75
	5+PE			18	0.75
X	8			26-24	0.14~0.25
Y	6			4*26 2*20	0.14~0.5
	8			4*26 4*20	0.14~0.5
L	2+PE			16	1.3
	3			16	1.3

M12-Male Unshielded

M12-Female Unshielded



Coding	Diagram A	Diagram B	Diagram C	Diagram D

Coding	Diagram A	Diagram B	Diagram C	Diagram D

Part Number

A0M12 - M XXXX - 04 XX - X 3N			
Sequence Number	Positions:2 to 17	Coding:A B C D	

Part Number

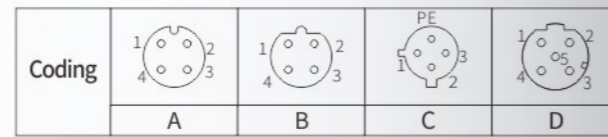
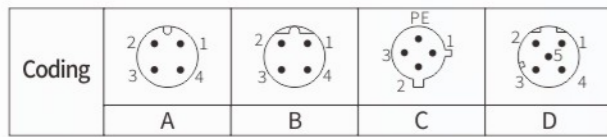
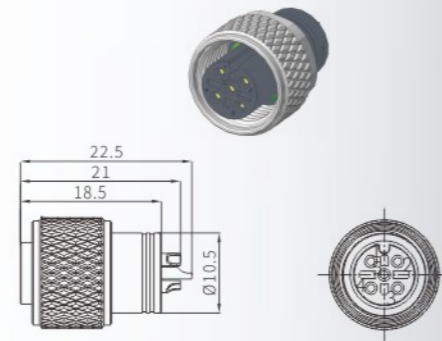
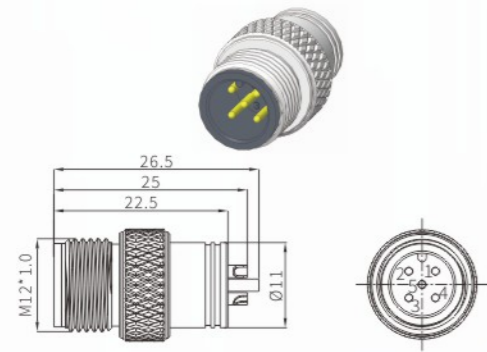
A0M12 - F XXXX - 04 XX - X 3N			
Sequence Number	Positions:2 to 17	Coding:A B C D	

Technical Parameters

Number of Positions	2	3	4	5	8	12	17
Rated voltage	250V		60V		30V		
Rated current	4A			2A		1.5A	
Rated surge voltage	2500V		1500V		800V		500V
Coding	A						
	B				-		
	D				-		
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overtoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~85°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuZn/CuSn						
Contact surface material	Au						
Shielded	No						
Tightening torque	0.3Nm						
Standards/specifications	IEC 61076-2-101						

M12-Male Shielded Solder

M12-Female Shielded Solder



Part Number

Part Number

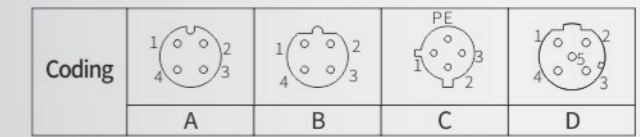
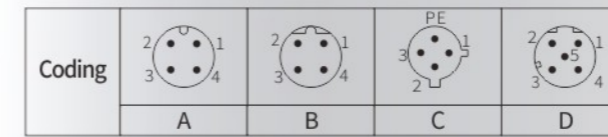
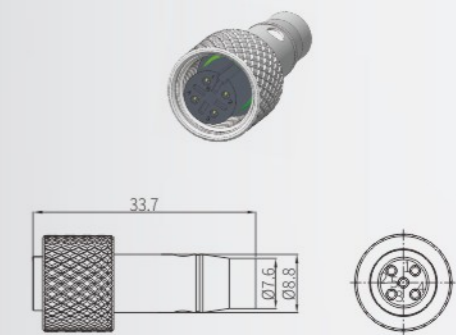
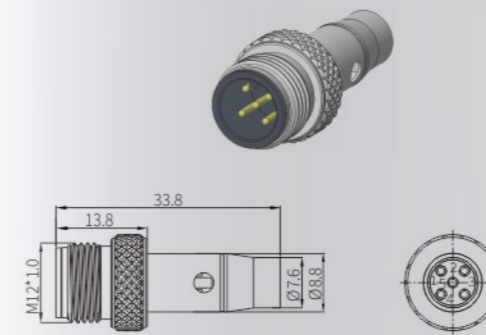


Technical Parameters

Number of Positions	2	3	4	5	8	12	17
Rated voltage	250V		60V		30V		
Rated current	4A			2A		1.5A	
Rated surge voltage	2500V		1500V	800V	500V		
Coding	A						-
	B			-			
	D			-			
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overtoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~85°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuZn/CuSn						
Contact surface material	Au						
Shielded	Yes						
Tightening torque	0.3Nm						
Standards/specifications	IEC 61076-2-101						

M12-Male Long Shielded

M12-Female Long Shielded



Part Number

Part Number

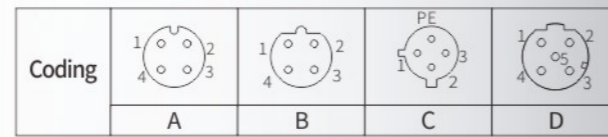
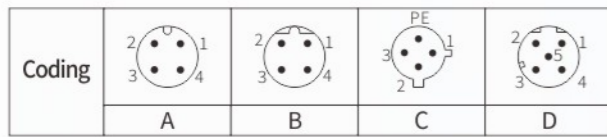
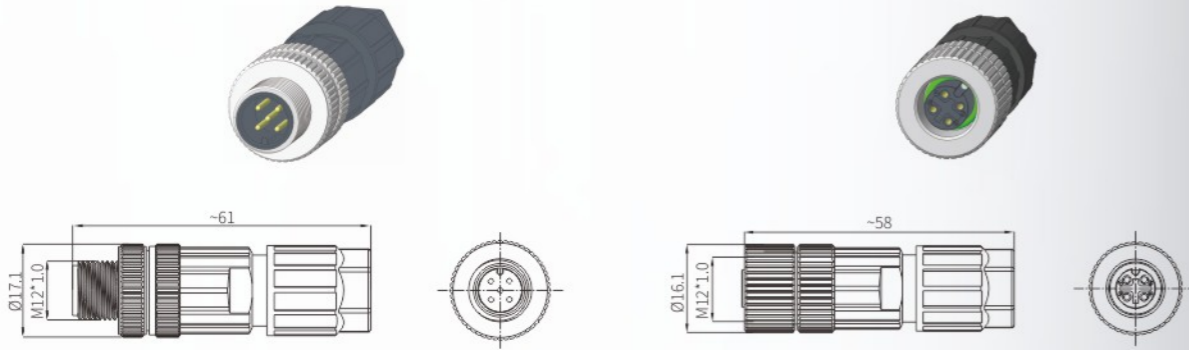


Technical Parameters

Number of Positions	2	3	4	5	8	12	17
Rated voltage	250V		60V		30V		
Rated current	4A			2A		1.5A	
Rated surge voltage	2500V		1500V	800V	500V		
Coding	A						-
	B			-			
	D			-			
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overtoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~85°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuZn/CuSn						
Contact surface material	Au						
Shielded	Yes						
Tightening torque	0.3Nm						
Standards/specifications	IEC 61076-2-101						

M12-Male Plastic Assembly Solder

M12-Female Plastic Assembly Solder



Part Number

A0M12 - M XXXX - 14 XX - X 3N		
Sequence Number	Positions:2 to 17	Coding:A B C D

Part Number

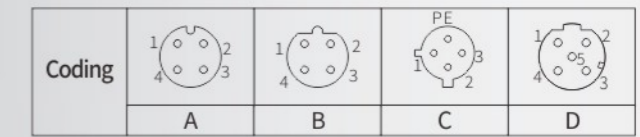
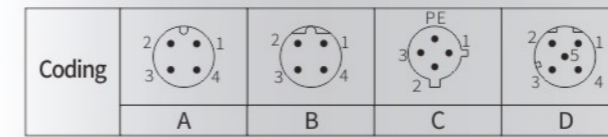
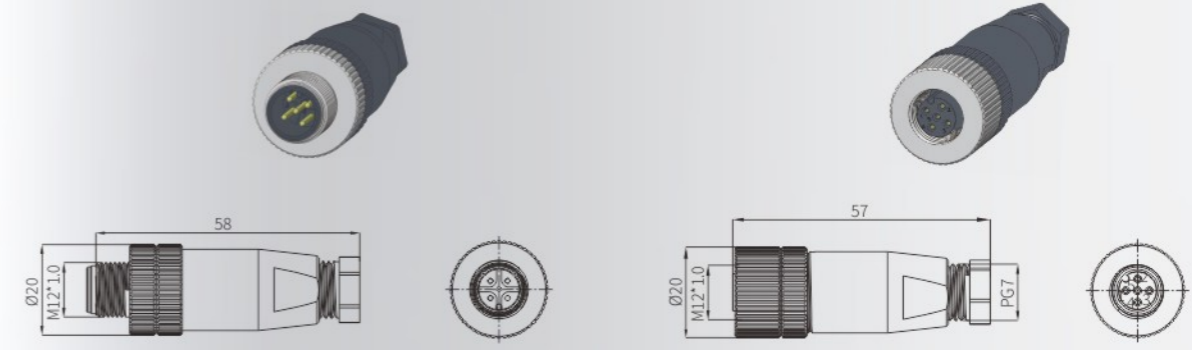
A0M12 - F XXXX - 14 XX - X 3N		
Sequence Number	Positions:2 to 17	Coding:A B C D

Technical Parameters

Number of Positions	2	3	4	5	8	12	17
Rated voltage	250V		60V		30V		
Rated current	4A			2A		1.5A	
Rated surge voltage	2500V		1500V	800V	500V		
Coding	A						
	B			-			
	D			-			
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overtoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~85°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuZn/CuSn						
Contact surface material	Au						
Shielded	No						
Tightening torque	0.3Nm						
Standards/specifications	IEC 61076-2-101						

M12-Male Screw Lock Straight

M12-Female Screw Lock Straight



Part Number

A0M12 - M XXXX - 03 XX - X 3N		
Sequence Number	Positions:2 to 8	Coding:A B C D

Part Number

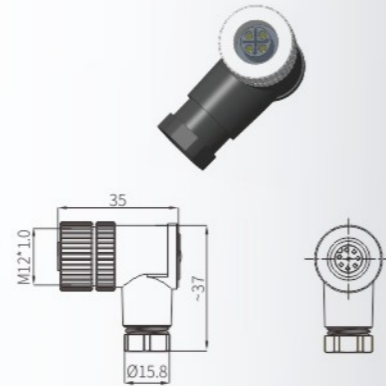
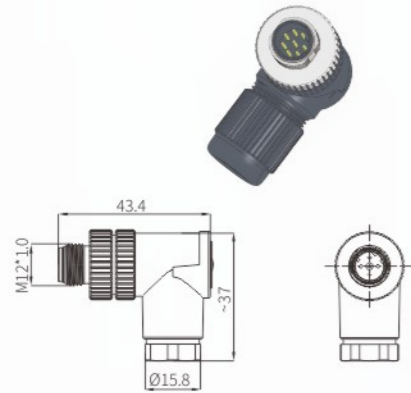
A0M12 - F XXXX - 03 XX - X 3N		
Sequence Number	Positions:2 to 8	Coding:A B C D

Technical Parameters

Number of Positions	2	3	4	5	8
Rated voltage	250V		60V		60V
Rated current	4A				2A
Rated surge voltage	2500V		1500V		800V
Coding	A				
	B				-
	D				-
Contact resistance	≤ 3 mΩ				
Insulation resistance	≥ 100MΩ				
Overtoltage category	II				
Degree of protection	IP67				
Insertion/withdrawal cycles	> 100				
Degree of pollution	3				
Ambient temperature	-40°C~85°C				
Contact carrier material	PA66				
Seal material	FKM				
Contact material	CuZn/CuSn				
Contact surface material	Au				
Shielded	No				
Tightening torque	0.3Nm				
Standards/specifications	IEC 61076-2-101				

M12-Male Screw Lock R/A

M12-Female Screw Lock R/A



Coding

A	B	C	D

Coding

A	B	C	D

Part Number

Part Number

A0M12 - M XXXX - 05 XX - X 3N

Sequence Number Positions:2 to 8 Coding:A B C D

A0M12 - F XXXX - 05 XX - X 3N

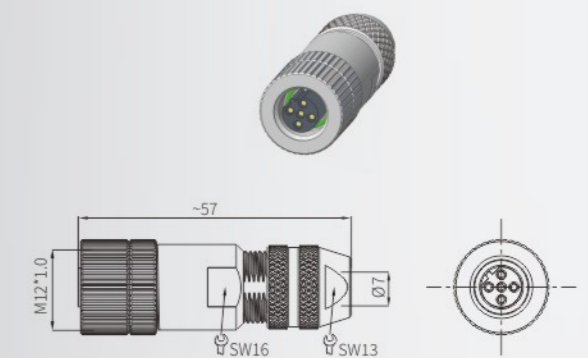
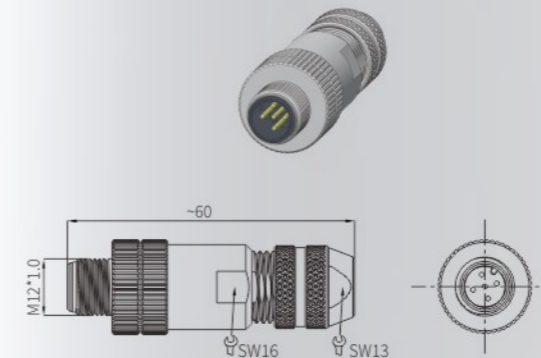
Sequence Number Positions:2 to 8 Coding:A B C D

Technical Parameters

Number of Positions	2	3	4	5	8
Rated voltage	250V		60V		60V
Rated current	4A			2A	
Rated surge voltage	2500V		1500V		800V
Coding	A				
	B		-		
	D		-		
Contact resistance	≤ 3 mΩ				
Insulation resistance	≥ 100MΩ				
Overtoltage category	II				
Degree of protection	IP67				
Insertion/withdrawal cycles	> 100				
Degree of pollution	3				
Ambient temperature	-40°C~85°C				
Contact carrier material	PA66				
Seal material	FKM				
Contact material	CuZn/CuSn				
Contact surface material	Au				
Shielded	No				
Tightening torque	0.3Nm				
Standards/specifications	IEC 61076-2-101				

M12-Male Metal Screw Lock Straight

M12-Female Metal Screw Lock Straight



Coding

A	B	C	D

Coding

A	B	C	D

Part Number

Part Number

A0M12 - M XXXX - 11 XX - X 3N

Sequence Number Positions:2 to 8 Coding:A B C D

A0M12 - F XXXX - 11 XX - X 3N

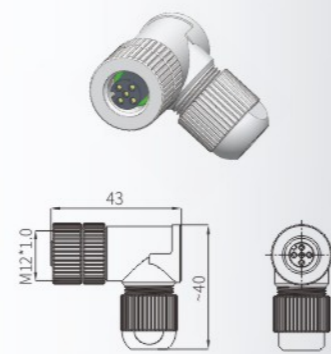
Sequence Number Positions:2 to 8 Coding:A B C D

Technical Parameters

Number of Positions	2	3	4	5	8
Rated voltage	250V		60V		60V
Rated current	4A			2A	
Rated surge voltage	2500V		1500V		800V
Coding	A				
	B		-		
	D		-		
Contact resistance	≤ 3 mΩ				
Insulation resistance	≥ 100MΩ				
Overtoltage category	II				
Degree of protection	IP67				
Insertion/withdrawal cycles	> 100				
Degree of pollution	3				
Ambient temperature	-40°C~85°C				
Contact carrier material	PA66				
Seal material	FKM				
Contact material	CuZn/CuSn				
Contact surface material	Au				
Shielded	Yes				
Tightening torque	0.3Nm				
Standards/specifications	IEC 61076-2-101				

M12-Male Metal Screw Lock R/A

M12-Female Metal Screw Lock R/A



Coding				
	A	B	C	D

Coding				
	A	B	C	D

Part Number

A0M12 - M XXXX - 12 XX - X 3N			
Sequence Number	Positions:2 to 8	Coding:A B C D	

Part Number

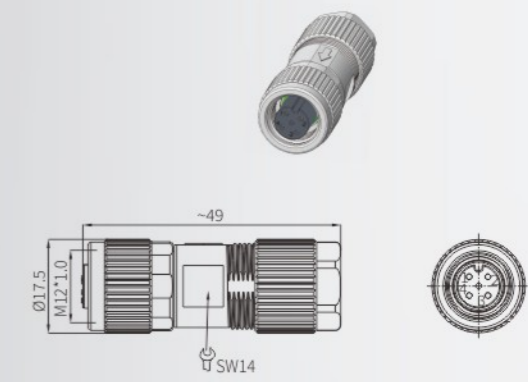
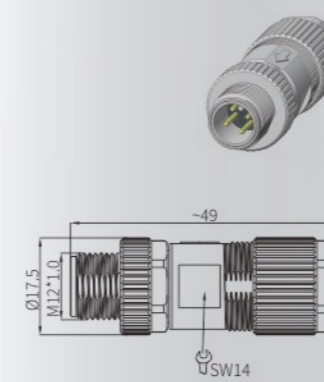
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Sequence Number	Positions:2 to 8	Coding:A B C D	

Technical Parameters

Number of Positions	2	3	4	5	8
Rated voltage	250V		60V		60V
Rated current	4A				2A
Rated surge voltage	2500V		1500V		800V
Coding	A				
	B		-		
	D		-		
Contact resistance	≤ 3 mΩ				
Insulation resistance	≥ 100MΩ				
Overtoltage category	II				
Degree of protection	IP67				
Insertion/withdrawal cycles	> 100				
Degree of pollution	3				
Ambient temperature	-40°C~85°C				
Contact carrier material	PA66				
Seal material	FKM				
Contact material	CuZn/CuSn				
Contact surface material	Au				
Shielded	Yes				
Tightening torque	0.3Nm				
Standards/specifications	IEC 61076-2-101				

M12-Male Assembly Crimping

M12-Female Assembly Crimping



Coding				
	A	B	C	D

Coding				
	A	B	C	D

Part Number

A0M12 - M XXXX - 08 XX - X 3N			
Sequence Number	Positions:2 to 8	Coding:A B C D	

Part Number

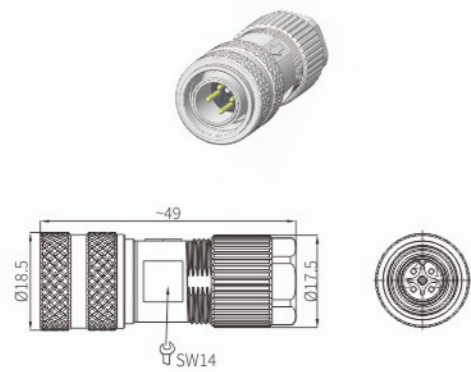
A0M12 - F XXXX - 08 XX - X 3N			
Sequence Number	Positions:2 to 8	Coding:A B C D	

Technical Parameters

Number of Positions	2	3	4	5	8
Rated voltage	250V		60V		60V
Rated current	4A				2A
Rated surge voltage	2500V		1500V		800V
Coding	A				
	B		-		
	D		-		
Contact resistance	≤ 3 mΩ				
Insulation resistance	≥ 100MΩ				
Overtoltage category	II				
Degree of protection	IP67				
Insertion/withdrawal cycles	> 100				
Degree of pollution	3				
Ambient temperature	-40°C~85°C				
Contact carrier material	PA66				
Seal material	FKM				
Contact material	CuZn/CuSn				
Contact surface material	Au				
Shielded	Yes				
Tightening torque	0.3Nm				
Standards/specifications	IEC 61076-2-101				

M12-Male Metal Push-Pull

M12-Female Push-Pull



Coding

A	B	C	D

Coding

A	B	C	D

Part Number

A0M12 - M XXXX - 16 XX - X 3N

Sequence Number Positions:2 to 8 Coding:A B C D

Part Number

A0M12 - F XXXX - 16 XX - X 3F

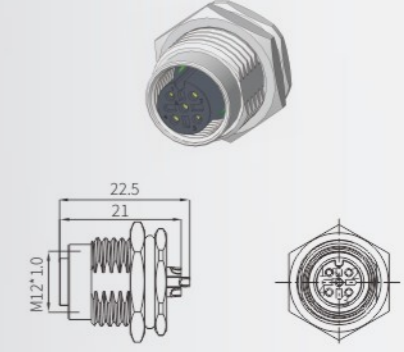
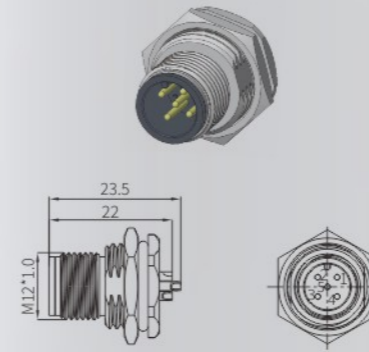
Sequence Number Positions:2 to 8 Coding:A B C D

Technical Parameters

Number of Positions	2	3	4	5	8
Rated voltage	250V		60V		60V
Rated current	4A			2A	
Rated surge voltage	2500V		1500V		800V
Coding	A				
	B				-
	D				-
Contact resistance	≤ 3 mΩ				
Insulation resistance	≥ 100MΩ				
Overtoltage category	II				
Degree of protection	IP67				
Insertion/withdrawal cycles	> 100				
Degree of pollution	3				
Ambient temperature	-40°C~85°C				
Contact carrier material	PA66				
Seal material	FKM				
Contact material	CuZn/CuSn				
Contact surface material	Au				
Shielded	Yes				
Tightening torque	0.3Nm				
Standards/specifications	IEC 61076-2-101				

M12-Male Front-Mount Solder

M12-Female Front-Mount Solder



Coding

A	B	C	D

Coding

A	B	C	D

Part Number

A0M12 - M XXXX - 02 XX - X 3F

Sequence Number Positions:2 to 17 Coding:A B C D

Part Number

A0M12 - F XXXX - 02 XX - X 3F

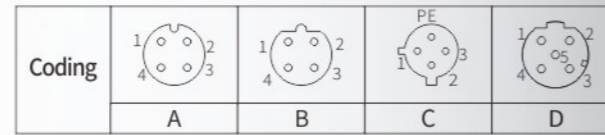
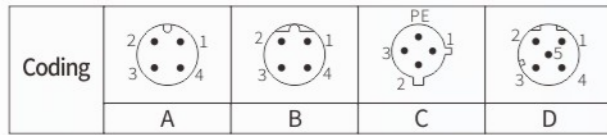
Sequence Number Positions:2 to 17 Coding:A B C D

Technical Parameters

Number of Positions	2	3	4	5	8	12	17
Rated voltage	250V		60V		30V		
Rated current	4A			2A		1.5A	
Rated surge voltage	2500V		1500V		800V		
Coding	A						
	B				-		
	D				-		
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overtoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~85°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuZn/CuSn						
Contact surface material	Au						
Shielded	No						
Tightening torque	0.3Nm						
Standards/specifications	IEC 61076-2-101						

M12-Male Rear-Mount Solder

M12-Female Rear-Mount Solder



Part Number

Part Number

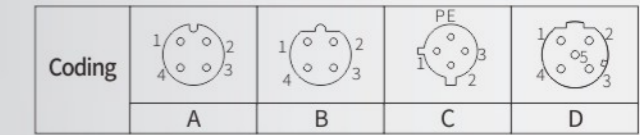
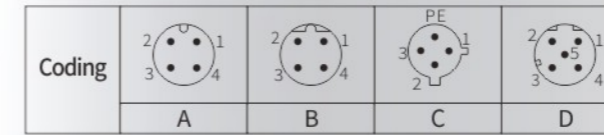
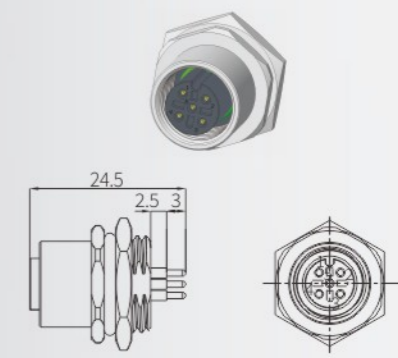
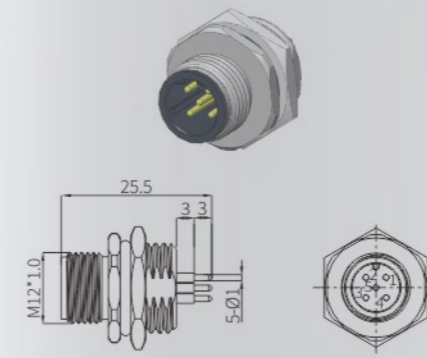


Technical Parameters

Number of Positions	2	3	4	5	8	12	17
Rated voltage	250V		60V		30V		
Rated current	4A			2A		1.5A	
Rated surge voltage	2500V		1500V	800V	500V		
Coding	A						-
	B			-			
	D			-			
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overtoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~85°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuZn/CuSn						
Contact surface material	Au						
Shielded	No						
Tightening torque	0.3Nm						
Standards/specifications	IEC 61076-2-101						

M12-Male Rear-Mount PCB

M12-Female Rear-Mount PCB



Part Number

Part Number

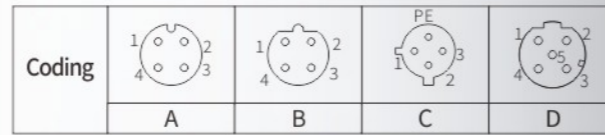
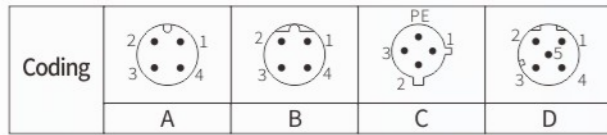
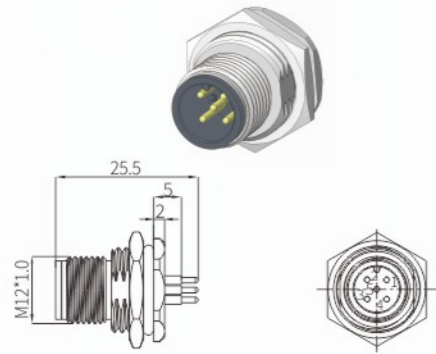


Technical Parameters

Number of Positions	2	3	4	5	8	12	17
Rated voltage	250V		60V		30V		
Rated current	4A			2A		1.5A	
Rated surge voltage	2500V		1500V	800V	500V		
Coding	A						-
	B			-			
	D			-			
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overtoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~85°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuZn/CuSn						
Contact surface material	Au						
Shielded	No						
Tightening torque	0.3Nm						
Standards/specifications	IEC 61076-2-101						

M12-Male Front-Mount PCB

M12-Female Front-Mount PCB



Part Number

Part Number

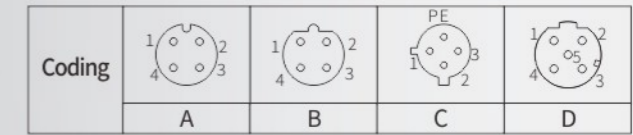
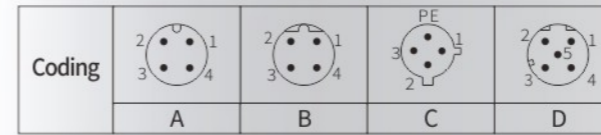
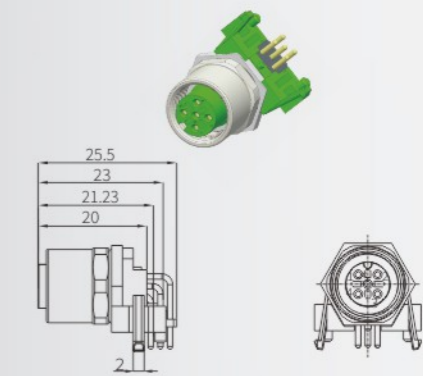
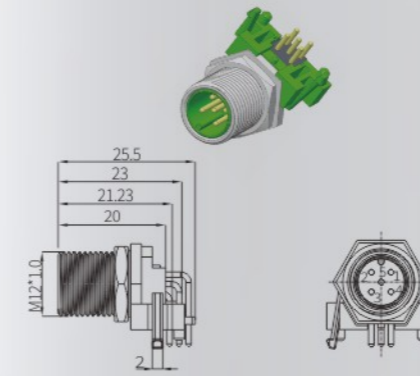


Technical Parameters

Number of Positions	2	3	4	5	8	12	17
Rated voltage	250V		60V		30V		
Rated current	4A			2A		1.5A	
Rated surge voltage	2500V		1500V	800V	500V		
Coding	A						-
	B			-			
	D			-			
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overtoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~85°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuZn/CuSn						
Contact surface material	Au						
Shielded	No						
Tightening torque	0.3Nm						
Standards/specifications	IEC 61076-2-101						

M12-Male R/A

M12-Female R/A



Part Number

Part Number

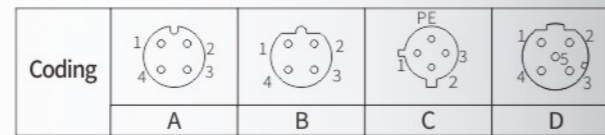
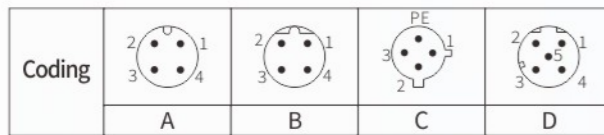
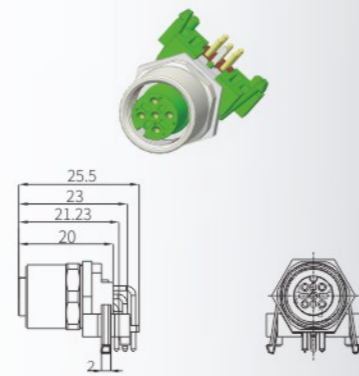
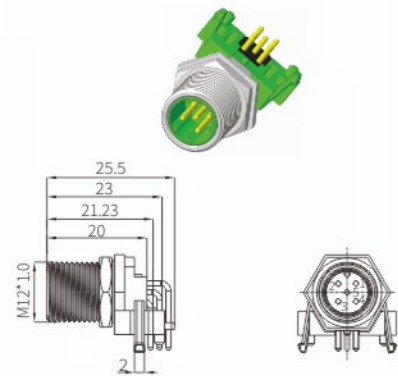


Technical Parameters

Number of Positions	2	3	4	5	8	12
Rated voltage	250V		60V		30V	
Rated current	4A			2A		1.5A
Rated surge voltage	2500V		1500V	800V	500V	
Coding	A					
	B			-		
	D			-		
Contact resistance	≤ 3 mΩ					
Insulation resistance	≥ 100MΩ					
Overtoltage category	II					
Degree of protection	IP67					
Insertion/withdrawal cycles	> 100					
Degree of pollution	3					
Ambient temperature	-40°C~85°C					
Contact carrier material	PA66					
Seal material	FKM					
Contact material	CuZn/CuSn					
Contact surface material	Au					
Shielded	No					
Tightening torque	0.3Nm					
Standards/specifications	IEC 61076-2-101					

M12-Male R/A Shielded

M12-Female R/A Shielded



Part Number

Part Number

A0M12 - M XXXX - 25 XX - X 3F

Sequence Number Positions:2 to 12 Coding:A B C D

A0M12 - F XXXX - 25 XX - X 3F

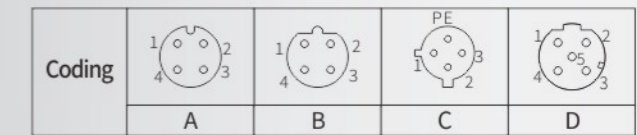
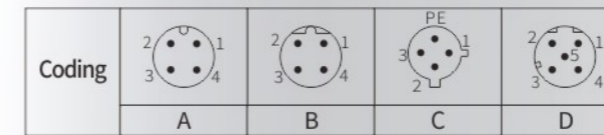
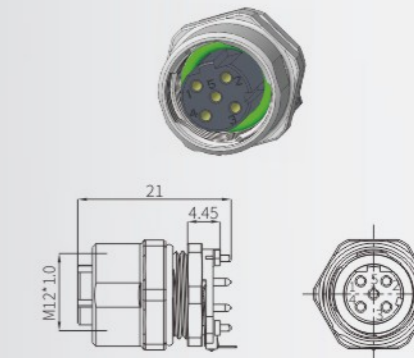
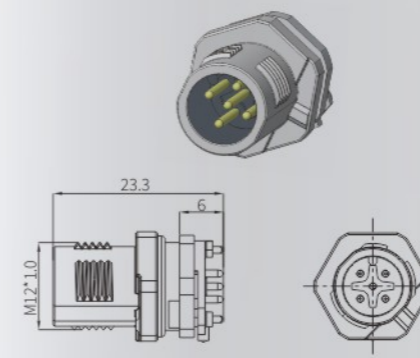
Sequence Number Positions:2 to 12 Coding:A B C D

Technical Parameters

Number of Positions	2	3	4	5	8	12
Rated voltage	250V		60V		30V	
Rated current	4A			2A		1.5A
Rated surge voltage	2500V		1500V	800V	500V	
Coding	A			-		-
	B			-		-
	D			-		-
Contact resistance	≤ 3 mΩ					
Insulation resistance	≥ 100MΩ					
Overtoltage category	II					
Degree of protection	IP67					
Insertion/withdrawal cycles	> 100					
Degree of pollution	3					
Ambient temperature	-40°C~85°C					
Contact carrier material	PA66					
Seal material	FKM					
Contact material	CuZn/CuSn					
Contact surface material	Au					
Shielded	Yes					
Tightening torque	0.3Nm					
Standards/specifications	IEC 61076-2-101					

M12-Male Upright Seat

M12-Female Upright Seat



Part Number

Part Number

A0M12 - M XXXX - 18 XX - X 3B

Sequence Number Positions:2 to 12 Coding:A B C D

A0M12 - F XXXX - 18 XX - X 3F

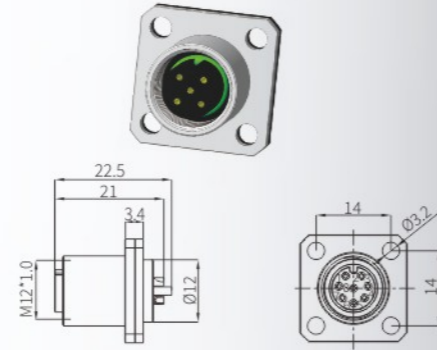
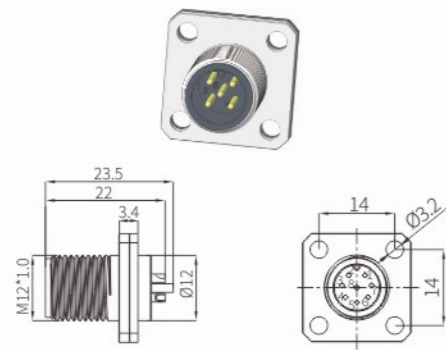
Sequence Number Positions:2 to 12 Coding:A B C D

Technical Parameters

Number of Positions	2	3	4	5	8	12	17
Rated voltage	250V		60V		30V		
Rated current	4A			2A		1.5A	
Rated surge voltage	2500V		1500V	800V	500V		
Coding	A			-		-	
	B			-		-	
	D			-		-	
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overtoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~85°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuZn/CuSn						
Contact surface material	Au						
Shielded	Yes						
Tightening torque	0.3Nm						
Standards/specifications	IEC 61076-2-101						

M12-Male Square Solder

M12-Female Square Solder



Coding

A	B	C	D

Coding

A	B	C	D

Part Number

Part Number

A0M12 - M XXXX - 27 XX - X 3N

Sequence Number Positions:2 to 17 Coding:A B C D

A0M12 - F XXXX - 27 XX - X 3N

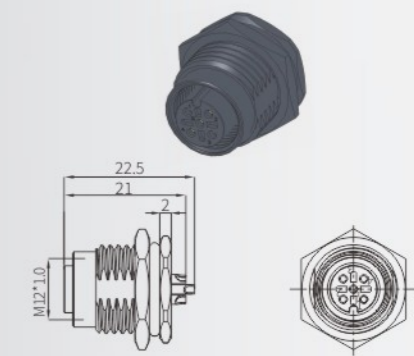
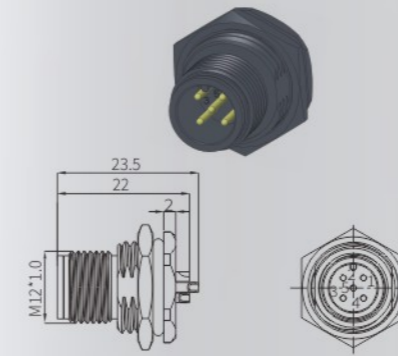
Sequence Number Positions:2 to 17 Coding:A B C D

Technical Parameters

Number of Positions	2	3	4	5	8	12	17
Rated voltage	250V		60V		30V		
Rated current	4A			2A		1.5A	
Rated surge voltage	2500V		1500V	800V	500V		
Coding	A						
	B			-			
	D			-			
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overtoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~85°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuZn/CuSn						
Contact surface material	Au						
Shielded	No						
Tightening torque	0.3Nm						
Standards/specifications	IEC 61076-2-101						

M12-Male Plastic Front-Mount Solder

M12-Female Plastic Front-Mount Solder



Coding

A	B	C	D

Coding

A	B	C	D

Part Number

Part Number

A0M12 - M XXXX - 22 XX - X 3F

Sequence Number Positions:2 to 17 Coding:A B C D

A0M12 - F XXXX - 22 XX - X 3F

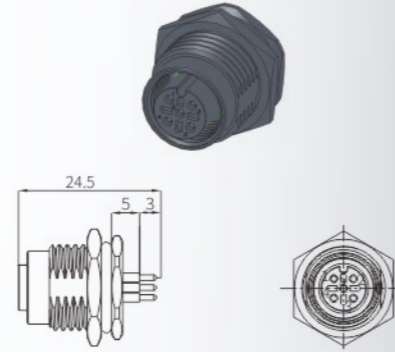
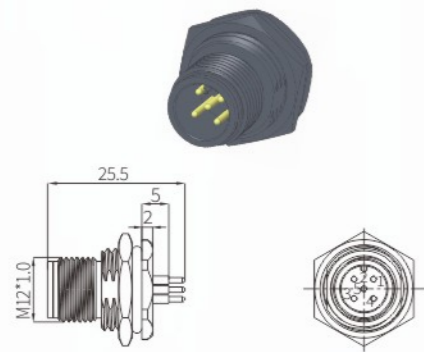
Sequence Number Positions:2 to 17 Coding:A B C D

Technical Parameters

Number of Positions	2	3	4	5	8	12	17
Rated voltage	250V		60V		30V		
Rated current	4A			2A		1.5A	
Rated surge voltage	2500V		1500V	800V	500V		
Coding	A						
	B			-			
	D			-			
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overtoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~85°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuZn/CuSn						
Contact surface material	Au						
Shielded	No						
Tightening torque	0.3Nm						
Standards/specifications	IEC 61076-2-101						

M12-Male Plastic Front-Mount PCB

M12-Female Plastic Front-Mount PCB



Coding				
	A	B	C	D

Coding				
	A	B	C	D

Part Number

Part Number

A0M12 - M XXXX - 22 XX - X 3F		
Sequence Number	Positions:2 to 17	Coding:A B C D

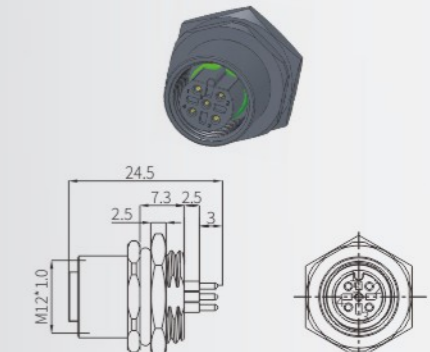
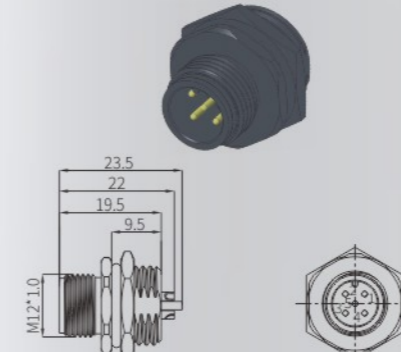
A0M12 - F XXXX - 22 XX - X 3F		
Sequence Number	Positions:2 to 17	Coding:A B C D

Technical Parameters

Number of Positions	2	3	4	5	8	12	17
Rated voltage	250V		60V		30V		
Rated current	4A			2A		1.5A	
Rated surge voltage	2500V		1500V	800V	500V		
Coding	A						
	B			-			
	D			-			
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overtoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~85°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuZn/CuSn						
Contact surface material	Au						
Shielded	No						
Tightening torque	0.3Nm						
Standards/specifications	IEC 61076-2-101						

M12-Male Plastic Rear-Mount Solder

M12-Female Plastic Rear-Mount Solder



Coding				
	A	B	C	D

Coding				
	A	B	C	D

Part Number

Part Number

A0M12 - M XXXX - 22 XX - X 3B		
Sequence Number	Positions:2 to 17	Coding:A B C D

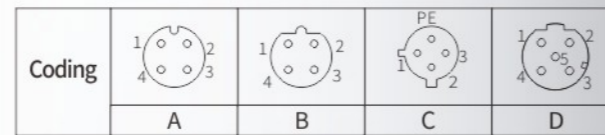
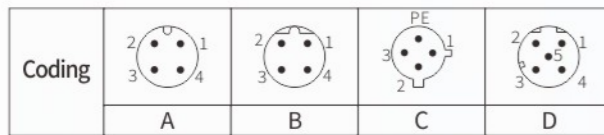
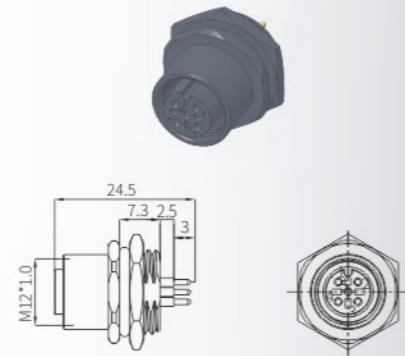
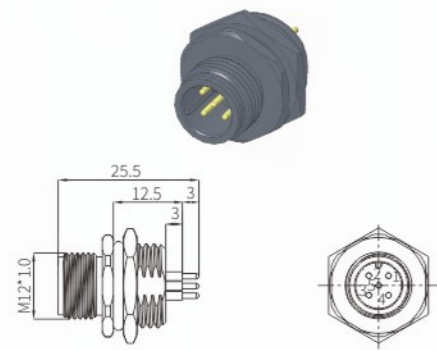
A0M12 - F XXXX - 22 XX - X 3B		
Sequence Number	Positions:2 to 17	Coding:A B C D

Technical Parameters

Number of Positions	2	3	4	5	8	12	17
Rated voltage	250V		60V		30V		
Rated current	4A			2A		1.5A	
Rated surge voltage	2500V		1500V	800V	500V		
Coding	A						
	B			-			
	D			-			
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overtoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~85°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuZn/CuSn						
Contact surface material	Au						
Shielded	No						
Tightening torque	0.3Nm						
Standards/specifications	IEC 61076-2-101						

M12-Male Plastic Rear-Mount PCB

M12-Female Plastic Rear-Mount PCB



Part Number

A0M12 - M XXXX - 22 XX - X 3B

Sequence Number Positions:2 to 17 Coding:A B C D

Part Number

A0M12 - F XXXX - 22 XX - X 3B

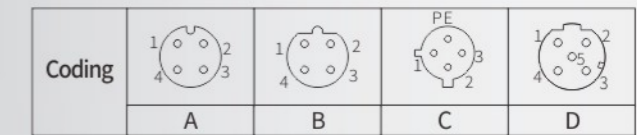
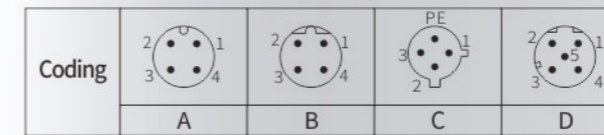
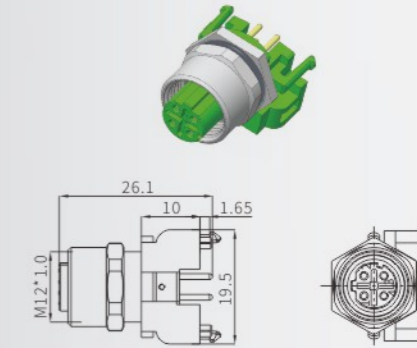
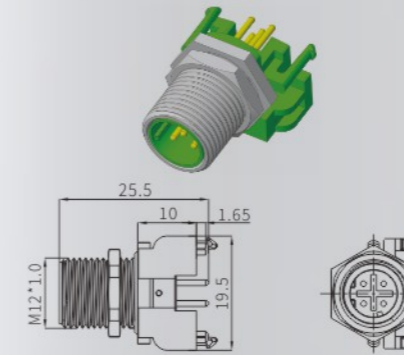
Sequence Number Positions:2 to 17 Coding:A B C D

Technical Parameters

Number of Positions	2	3	4	5	8	12	17
Rated voltage	250V		60V		30V		
Rated current	4A			2A		1.5A	
Rated surge voltage	2500V		1500V	800V	500V		
Coding	A						-
	B			-			
	D			-			
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overtoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~85°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuZn/CuSn						
Contact surface material	Au						
Shielded	No						
Tightening torque	0.3Nm						
Standards/specifications	IEC 61076-2-101						

M12-Male THR Front-Mount PCB

M12-Female THR Front-Mount PCB



Part Number

A0M12 - M XXXX - 28 XX - X 3F

Sequence Number Positions:2 to 8 Coding:A B C D

Part Number

A0M12 - F XXXX - 28 XX - X 3F

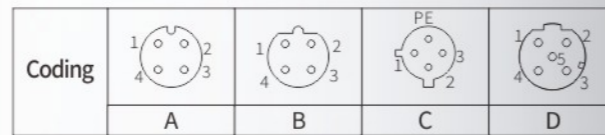
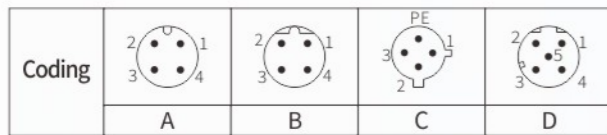
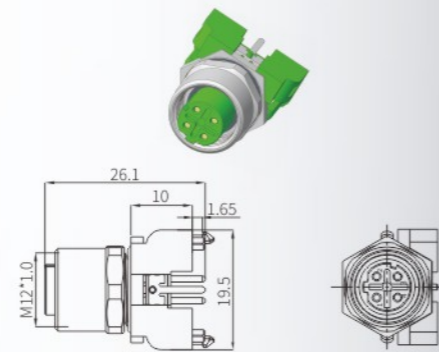
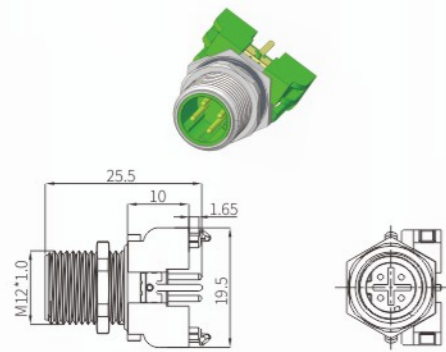
Sequence Number Positions:2 to 8 Coding:A B C D

Technical Parameters

Number of Positions	2	3	4	5	8
Rated voltage	250V		60V		60V
Rated current	4A				2A
Rated surge voltage	2500V		1500V		800V
Coding	A				
	B		-		
	D		-		
Contact resistance	≤ 3 mΩ				
Insulation resistance	≥ 100MΩ				
Overtoltage category	II				
Degree of protection	IP67				
Insertion/withdrawal cycles	> 100				
Degree of pollution	3				
Ambient temperature	-40°C~85°C				
Contact carrier material	PA66				
Seal material	FKM				
Contact material	CuZn/CuSn				
Contact surface material	Au				
Shielded	No				
Tightening torque	0.3Nm				
Standards/specifications	IEC 61076-2-101				

M12-Male THR Front-Mount Shielded

M12-Female THR Front-Mount Shielded



Part Number

Part Number

A0M12 - M XXXX - 28 XX - X 3F

Sequence Number Positions:2 to 8 Coding:A B C D

A0M12 - F XXXX - 28 XX - X 3F

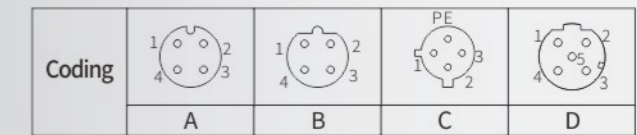
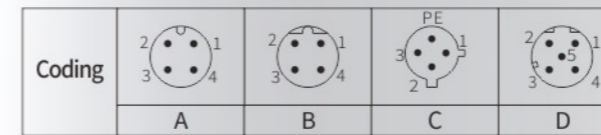
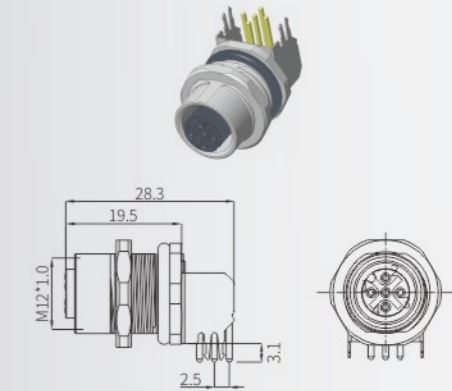
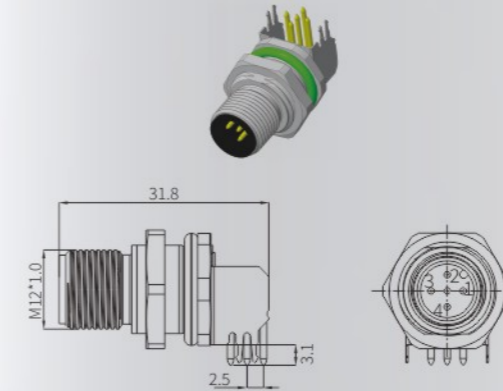
Sequence Number Positions:2 to 8 Coding:A B C D

Technical Parameters

Number of Positions	2	3	4	5	8
Rated voltage	250V		60V		60V
Rated current	4A				2A
Rated surge voltage	2500V		1500V		800V
Coding	A				
	B		-		
	D		-		
Contact resistance	≤ 3 mΩ				
Insulation resistance	≥ 100MΩ				
Overtoltage category	II				
Degree of protection	IP67				
Insertion/withdrawal cycles	> 100				
Degree of pollution	3				
Ambient temperature	-40°C~85°C				
Contact carrier material	PA66				
Seal material	FKM				
Contact material	CuZn/CuSn				
Contact surface material	Au				
Shielded	Yes				
Tightening torque	0.3Nm				
Standards/specifications	IEC 61076-2-101				

M12-Male R/A Shielded

M12-Female R/A Shielded



Part Number

Part Number

A0M12 - M XXXX - 25 XX - X 3F

Sequence Number Positions:2 to 12 Coding:A B C D

A0M12 - F XXXX - 25 XX - X 3F

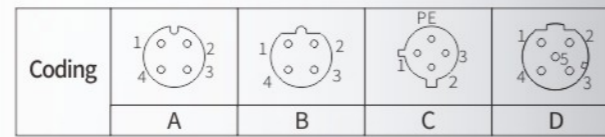
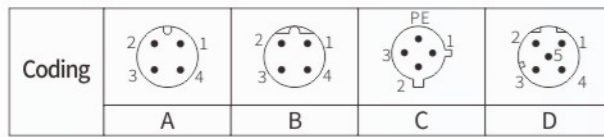
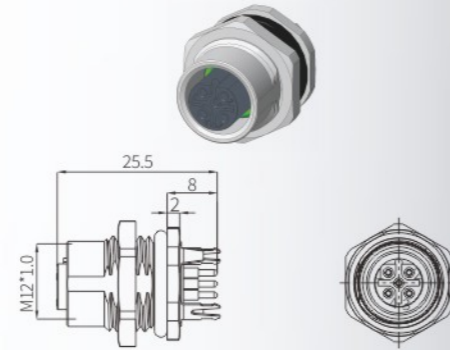
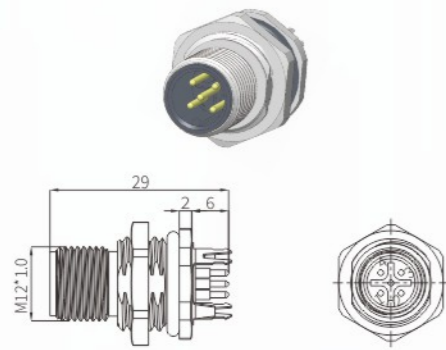
Sequence Number Positions:2 to 12 Coding:A B C D

Technical Parameters

Number of Positions	2	3	4	5	8	12
Rated voltage	250V		60V		30V	
Rated current	4A			2A		1.5A
Rated surge voltage	2500V		1500V		800V	
Coding	A					
	B		-			
	D		-			
Contact resistance	≤ 3 mΩ					
Insulation resistance	≥ 100MΩ					
Overtoltage category	II					
Degree of protection	IP67					
Insertion/withdrawal cycles	> 100					
Degree of pollution	3					
Ambient temperature	-40°C~85°C					
Contact carrier material	PA66					
Seal material	FKM					
Contact material	CuSn					
Contact surface material	Au					
Shielded	Yes					
Tightening torque	0.3Nm					
Standards/specifications	IEC 61076-2-101					

M12-Male Shielded Claw

M12-Female Shielded Claw



Part Number

Part Number

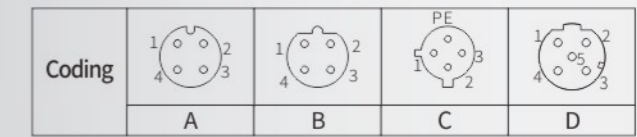
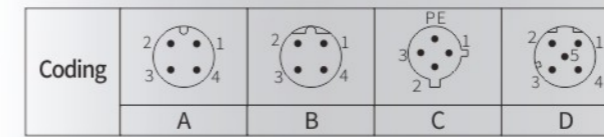
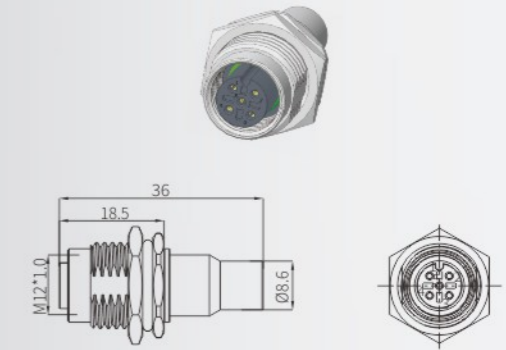
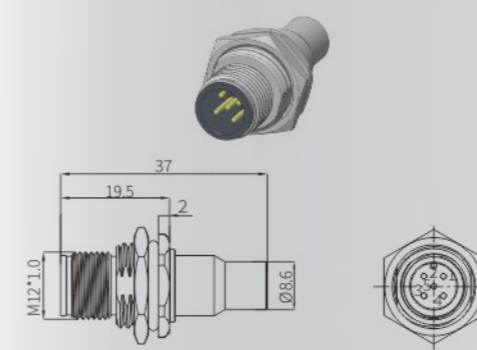


Technical Parameters

Number of Positions	2	3	4	5	8	12
Rated voltage	250V		60V		30V	
Rated current	4A			2A		1.5A
Rated surge voltage	2500V		1500V	800V	500V	
Coding	A			-		-
	B		-		-	
	D		-		-	
Contact resistance	≤ 3 mΩ					
Insulation resistance	≥ 100MΩ					
Overvoltage category	II					
Degree of protection	IP67					
Insertion/withdrawal cycles	> 100					
Degree of pollution	3					
Ambient temperature	-40°C~85°C					
Contact carrier material	PA66					
Seal material	FKM					
Contact material	CuZn/CuSn					
Contact surface material	Au					
Shielded	Yes					
Tightening torque	0.3Nm					
Standards/specifications	IEC 61076-2-101					

M12-Male Front-Mount Long Shielded

M12-Female Front-Mount Long Shielded



Part Number

Part Number

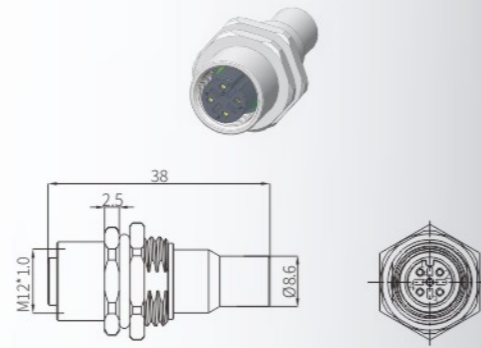
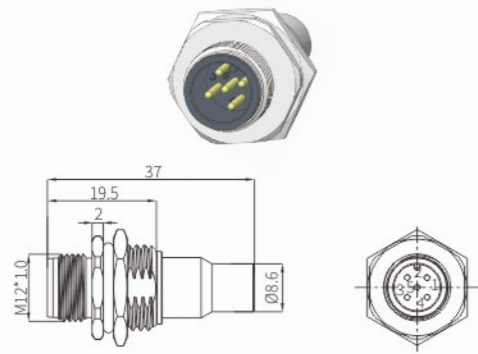


Technical Parameters

Number of Positions	2	3	4	5	8	12	17
Rated voltage	250V		60V		30V		
Rated current	4A			2A		1.5A	
Rated surge voltage	2500V		1500V	800V	500V		
Coding	A			-		-	
	B		-		-		
	D		-		-		
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overvoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~85°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuZn/CuSn						
Contact surface material	Au						
Shielded	Yes						
Tightening torque	0.3Nm						
Standards/specifications	IEC 61076-2-101						

M12-Male Rear-Mount Long Shielded

M12-Female Rear-Mount Long Shielded



Coding				
	A	B	C	D

Coding				
	A	B	C	D

Part Number

A0M12 - M XXXX - 24 XX - X 3B		
Sequence Number	Positions:2 to 17	Coding:A B C D

Part Number

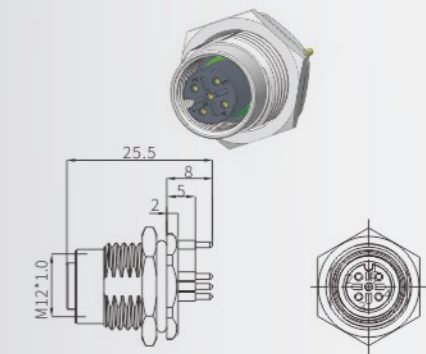
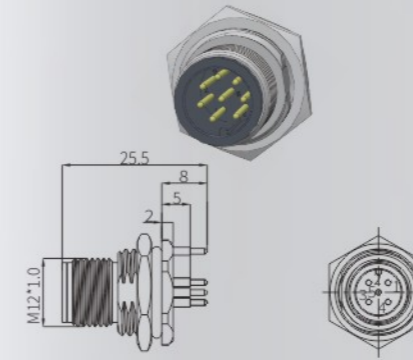
A0M12 - F XXXX - 24 XX - X 3B		
Sequence Number	Positions:2 to 17	Coding:A B C D

Technical Parameters

Number of Positions	2	3	4	5	8	12	17
Rated voltage	250V		60V		30V		
Rated current	4A			2A		1.5A	
Rated surge voltage	2500V		1500V	800V	500V		
Coding	A						-
	B			-			
	D			-			
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overtoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~85°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuZn/CuSn						
Contact surface material	Au						
Shielded	Yes						
Tightening torque	0.3Nm						
Standards/specifications	IEC 61076-2-101						

M12-Male Front-Mount Grounding Pin

M12-Female Front-Mount Grounding Pin



Coding				
	A	B	C	D

Coding				
	A	B	C	D

Part Number

A0M12 - M XXXX - 17 XX - X 3F		
Sequence Number	Positions:2 to 17	Coding:A B C D

Part Number

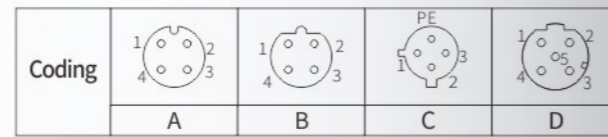
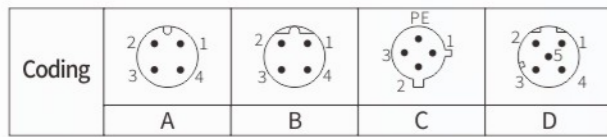
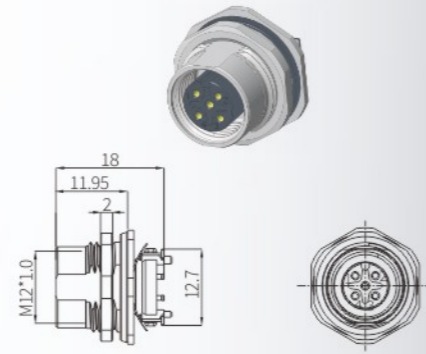
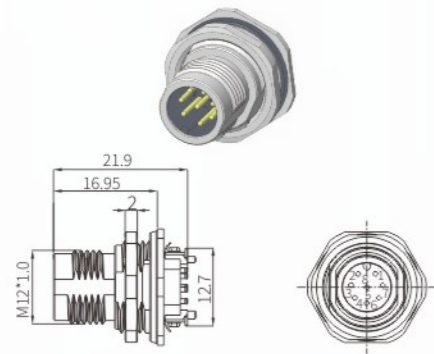
A0M12 - F XXXX - 17 XX - X 3F		
Sequence Number	Positions:2 to 17	Coding:A B C D

Technical Parameters

Number of Positions	2	3	4	5	8	12	17
Rated voltage	250V		60V		30V		
Rated current	4A			2A		1.5A	
Rated surge voltage	2500V		1500V	800V	500V		
Coding	A						-
	B			-			
	D			-			
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overtoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~85°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuZn/CuSn						
Contact surface material	Au						
Shielded	Yes						
Tightening torque	0.3Nm						
Standards/specifications	IEC 61076-2-101						

M12-Male Front-Mount SMD

M12-Female Front-Mount SMD



Part Number

A0M12 - M XXXX - 26 XX - X 3F

Sequence Number Positions:2 to 17 Coding:A B C D

Part Number

A0M12 - F XXXX - 26 XX - X 3F

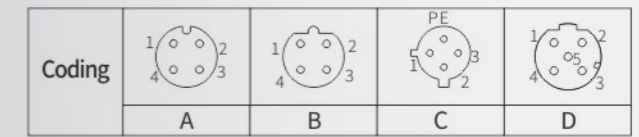
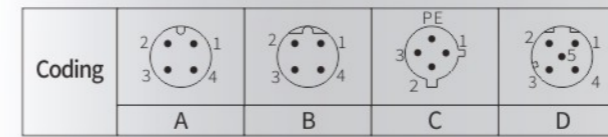
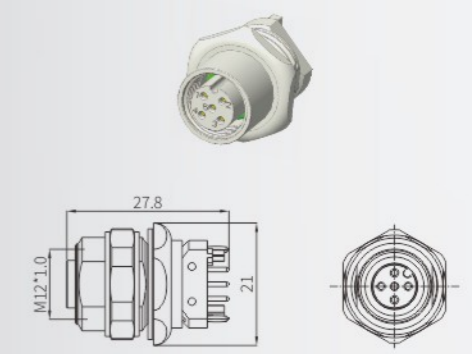
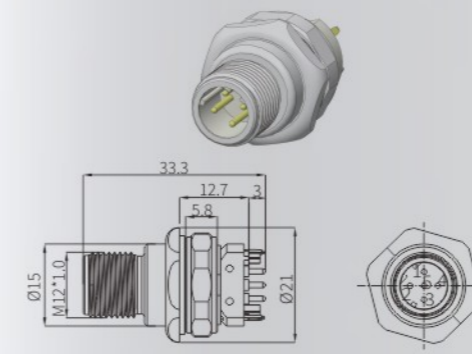
Sequence Number Positions:2 to 17 Coding:A B C D

Technical Parameters

Number of Positions	2	3	4	5	8	12
Rated voltage	250V		60V		30V	
Rated current	4A			2A		1.5A
Rated surge voltage	2500V		1500V	800V	500V	
Coding	A					
	B					-
	D					-
Contact resistance	≤ 3 mΩ					
Insulation resistance	≥ 100MΩ					
Overtoltage category	II					
Degree of protection	IP67					
Insertion/withdrawal cycles	> 100					
Degree of pollution	3					
Ambient temperature	-40°C~85°C					
Contact carrier material	PA66					
Seal material	FKM					
Contact material	CuZn/CuSn					
Contact surface material	Au					
Shielded	Yes					
Tightening torque	0.3Nm					
Standards/specifications	IEC 61076-2-101					

M12-Male Split Upright Seat

M12-Female Split Upright Seat



Part Number

A0M12 - M XXXX - 31 XX - X 3F

Sequence Number Positions:2 to 17 Coding:A B C D

Part Number

A0M12 - F XXXX - 31 XX - X 3F

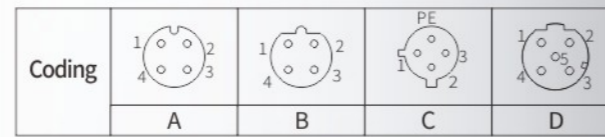
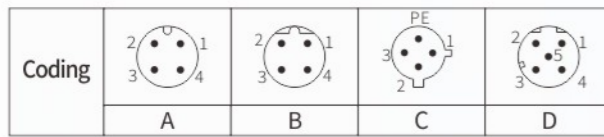
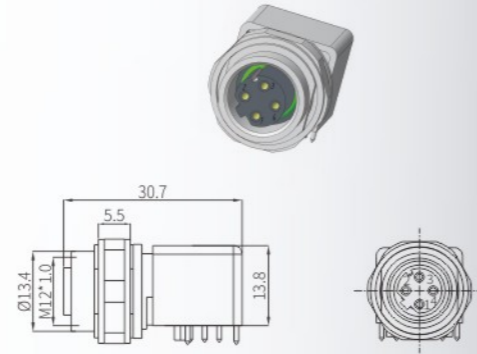
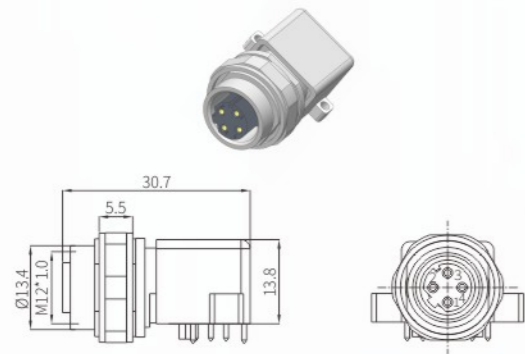
Sequence Number Positions:2 to 17 Coding:A B C D

Technical Parameters

Number of Positions	2	3	4	5	8	12	17	
Rated voltage	250V		60V		30V			
Rated current	4A			2A		1.5A		
Rated surge voltage	2500V		1500V	800V	500V			
Coding	A							
	B						-	
	D						-	
Contact resistance	≤ 3 mΩ							
Insulation resistance	≥ 100MΩ							
Overtoltage category	II							
Degree of protection	IP67							
Insertion/withdrawal cycles	> 100							
Degree of pollution	3							
Ambient temperature	-40°C~85°C							
Contact carrier material	PA66							
Seal material	FKM							
Contact material	CuZn/CuSn							
Contact surface material	Au							
Shielded	Yes							
Tightening torque	0.3Nm							
Standards/specifications	IEC 61076-2-101							

M12-Male R/A Shielded

M12-Female R/A Shielded



Part Number

A0M12 - M XXXX - 25 XX - X 3F

Sequence Number Positions:2 to 5 Coding:A B C D

Part Number

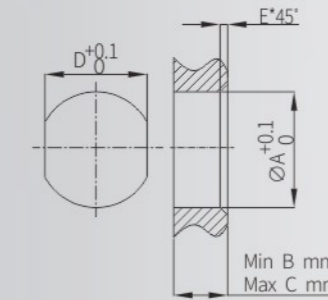
A0M12 - F XXXX - 25 XX - X 3F

Sequence Number Positions:2 to 5 Coding:A B C D

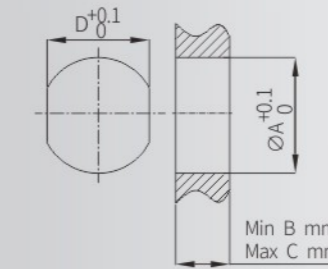
Technical Parameters

Number of Positions	2	3	4	5
Rated voltage		250V		60V
Rated current		4A		
Rated surge voltage		2500V		1500V
Coding		A/B/C/D		
Contact resistance		≤ 3 mΩ		
Insulation resistance		≥ 100MΩ		
Overtoltage category		II		
Degree of protection		IP67		
Insertion/withdrawal cycles		> 100		
Degree of pollution		3		
Ambient temperature		-40°C~85°C		
Contact carrier material		PA66		
Seal material		FKM		
Contact material		CuZn/CuSn		
Contact surface material		Au		
Shielded		Yes		
Tightening torque		0.3Nm		
Standards/specifications		IEC 61076-2-101		

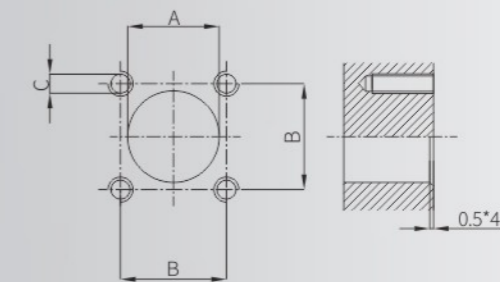
M12-Panel Cutout



	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	Plastic	Metal
M12*1.0	12.1	1.5	3.5	10.8	1	1.5Nm	3.5Nm
PG9	15.4	1.5	3.5	13.5	1	1.5Nm	3.5Nm
M16*1.5	16.2	1.5	3.5	13.5	1	1.5Nm	3.5Nm
PG11	18.7	1.5	3.5	17	1	1.5Nm	3.5Nm



	A(mm)	B(mm)	C(mm)	D(mm)	Plastic	Metal
M12*1.0	12.1	1.5	3.5	10.8	1Nm	1.5Nm
PG9	15.4	1.5	3.5	13.5	1Nm	1.5Nm
M16*1.5	16.2	1.5	3.5	13.5	1Nm	1.5Nm
PG11	18.7	1.5	3.5	17	1Nm	1.5Nm



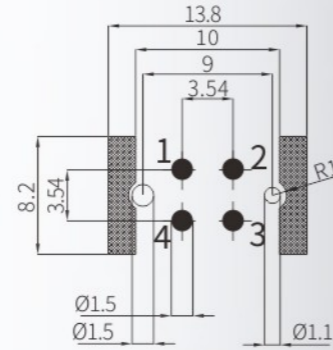
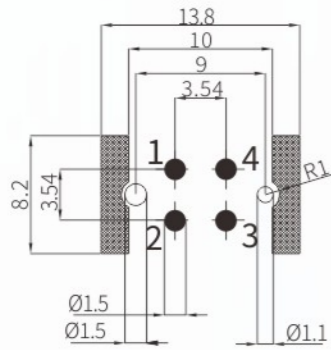
A(mm)	B(mm)	C(mm)	Torsion
12.1	14	M3(4X)	3.5 Nm

M12-PCB Cutout

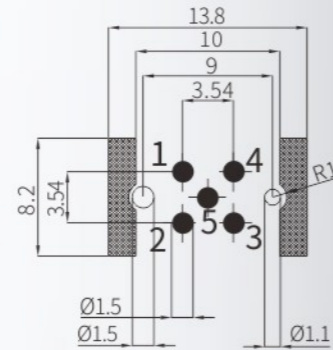
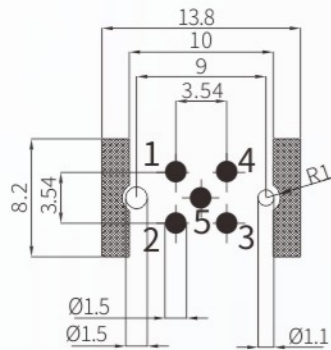
Drilling schemes male insert (PCB), SMT-PCB mounting

Drilling schemes female insert (PCB), SMT-PCB mounting

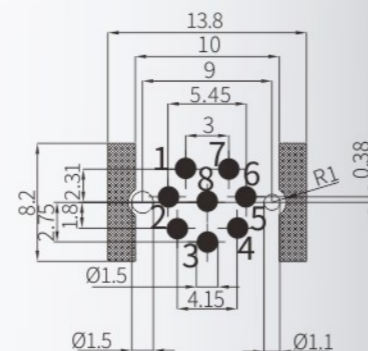
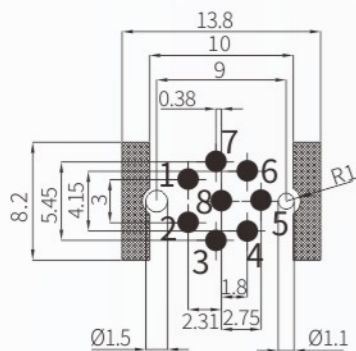
4pin



5pin



8pin

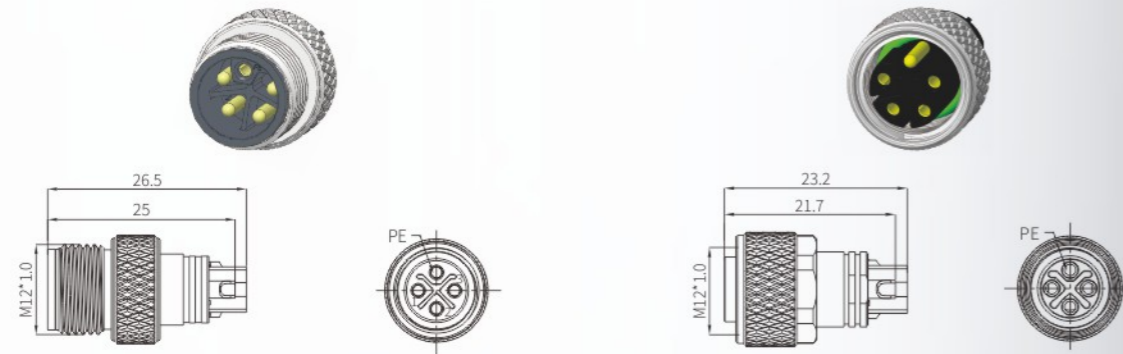


M12-Layout

Pin	Male	Female
2		
3		
4		
5		
8		
12		
17		

M12-Male Unshielded

M12-Female Unshielded



Coding				
	T	S	K	L

Coding					
	T	S	K	L	M

Part Number

Part Number

A0M12 - M XXXX - 04 XX - X 3N			A0M12 - F XXXX - 04 XX - X 3N		
Sequence Number	Positions:2 to 6	Coding:T S K L M	Sequence Number	Positions:2 to 6	Coding:T S K L M

Technical Parameters

Number of Positions	5	4	5	4	6
Rated voltage	630V		63V	60V	630V
Rated current	16A	12A	16A	12A	8A
Rated surge voltage	6000V		1500V		6000V
Coding	K	S	L	T	M
Contact resistance	≤ 3 mΩ				
Insulation resistance	≥ 100MΩ				
Overtoltage category	III				
Degree of protection	IP67				
Insertion/withdrawal cycles	> 100				
Degree of pollution	3				
Ambient temperature	-40°C~85°C				
Contact carrier material	PA66				
Seal material	FKM				
Contact material	CuZn/CuSn				
Contact surface material	Au				
Shielded	No				
Tightening torque	0.3Nm				
Standards/specifications	IEC 61076-2-111				

M12-Male Power Screw Lock Straight

M12-Female Power Screw Lock Straight



Coding			
	T	S	K

Coding				
	T	S	K	L

Part Number

Part Number

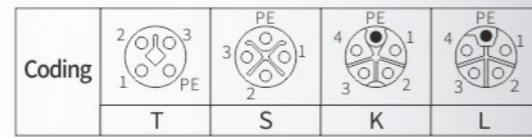
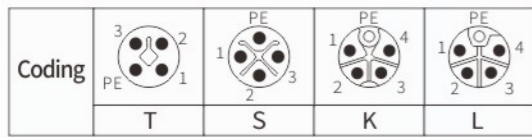
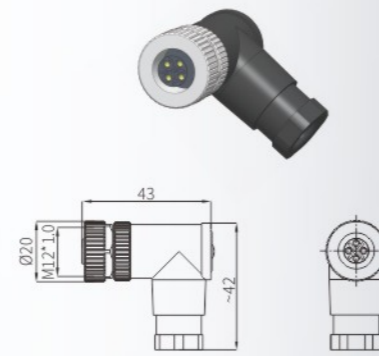
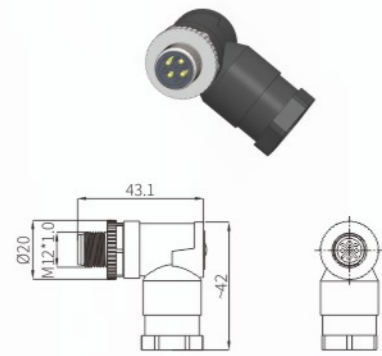
A0M12 - M XXXX - 03 XX - X 3N			A0M12 - F XXXX - 03 XX - X 3N		
Sequence Number	Positions:2 to 5	Coding:T S K L M	Sequence Number	Positions:2 to 5	Coding:T S K L M

Technical Parameters

Number of Positions	2	3	4	5
Rated voltage	630V		63V	60V
Rated current	16A	12A	16A	12A
Rated surge voltage	6000V		1500V	
Coding	K/S/L/T			
Contact resistance	≤ 3 mΩ			
Insulation resistance	≥ 100MΩ			
Overtoltage category	III			
Degree of protection	IP67			
Insertion/withdrawal cycles	> 100			
Degree of pollution	3			
Ambient temperature	-40°C~85°C			
Contact carrier material	PA66			
Seal material	FKM			
Contact material	CuZn/CuSn			
Contact surface material	Au			
Shielded	No			
Tightening torque	0.3Nm			
Standards/specifications	IEC 61076-2-111			

M12-Male Power Screw Lock R/A

M12-Female Power Screw Lock R/A



Part Number

Part Number

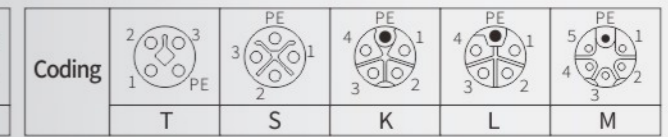
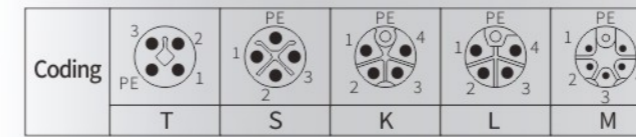
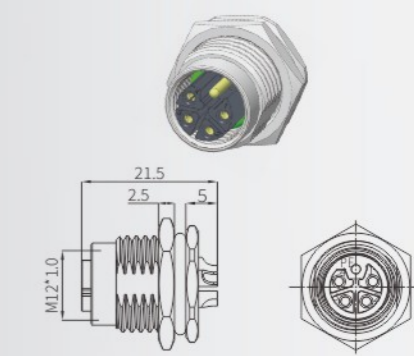
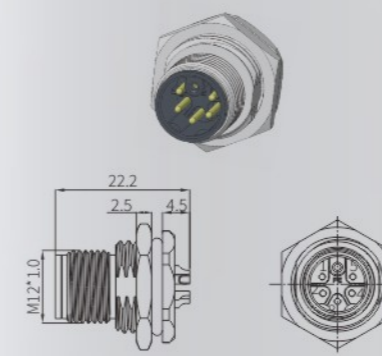


Technical Parameters

Number of Positions	2	3	4	5
Rated voltage	630V		63V	60V
Rated current	16A	12A	16A	12A
Rated surge voltage	6000V		1500V	
Coding	K/S/L/T			
Contact resistance	≤ 3 mΩ			
Insulation resistance	≥ 100MΩ			
Overtoltage category	III			
Degree of protection	IP67			
Insertion/withdrawal cycles	> 100			
Degree of pollution	3			
Ambient temperature	-40°C~85°C			
Contact carrier material	PA66			
Seal material	FKM			
Contact material	CuZn/CuSn			
Contact surface material	Au			
Shielded	No			
Tightening torque	0.3Nm			
Standards/specifications	IEC 61076-2-111			

M12-Male Power Front-Mount Solder

M12-Female Power Front-Mount Solder



Part Number

Part Number

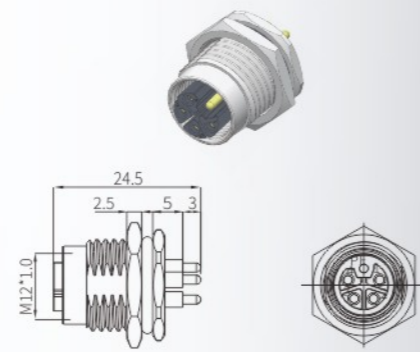
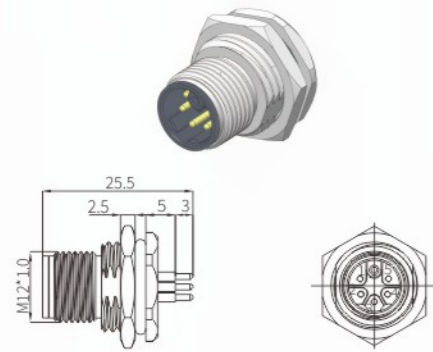


Technical Parameters

Number of Positions	5	4	5	4	6
Rated voltage	630V		63V	60V	630V
Rated current	16A	12A	16A	12A	8A
Rated surge voltage	6000V		1500V		6000V
Coding	K	S	L	T	M
Contact resistance	≤ 3 mΩ				
Insulation resistance	≥ 100MΩ				
Overtoltage category	III				
Degree of protection	IP67				
Insertion/withdrawal cycles	> 100				
Degree of pollution	3				
Ambient temperature	-40°C~85°C				
Contact carrier material	PA66				
Seal material	FKM				
Contact material	CuZn/CuSn				
Contact surface material	Au				
Shielded	No				
Tightening torque	0.3Nm				
Standards/specifications	IEC 61076-2-111				

M12-Male Power Front-Mount PCB

M12-Female Power Front-Mount PCB



Coding	3 PE 1 2 3	PE 1 2 3	PE 1 2 3 4	PE 1 2 3 4	PE 1 2 3 4 5
T	1 2 3	1 2 3	1 2 3 4	1 2 3 4	1 2 3 4 5
S	1 2 3	1 2 3	1 2 3 4	1 2 3 4	1 2 3 4 5
K	1 2 3	1 2 3	1 2 3 4	1 2 3 4	1 2 3 4 5
L	1 2 3	1 2 3	1 2 3 4	1 2 3 4	1 2 3 4 5
M	1 2 3	1 2 3	1 2 3 4	1 2 3 4	1 2 3 4 5

Part Number

A0M12 - M XXXX - 02 XX - X 3F

Sequence Number Positions:2 to 6 Coding:T S K L M

Part Number

A0M12 - F XXXX - 02 XX - X 3F

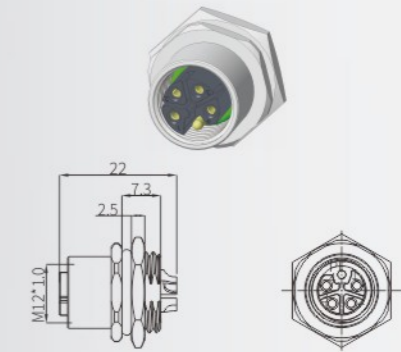
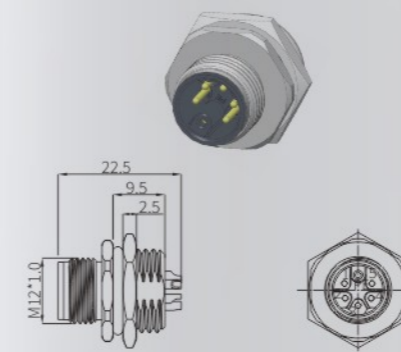
Sequence Number Positions:2 to 6 Coding:T S K L M

Technical Parameters

Number of Positions	5	4	5	4	6
Rated voltage	630V		63V	60V	630V
Rated current	16A	12A	16A	12A	8A
Rated surge voltage	6000V		1500V		6000V
Coding	K	S	L	T	M
Contact resistance	≤ 3 mΩ				
Insulation resistance	≥ 100MΩ				
Overvoltage category	III				
Degree of protection	IP67				
Insertion/withdrawal cycles	> 100				
Degree of pollution	3				
Ambient temperature	-40°C~85°C				
Contact carrier material	PA66				
Seal material	FKM				
Contact material	CuZn/CuSn				
Contact surface material	Au				
Shielded	No				
Tightening torque	0.3Nm				
Standards/specifications	IEC 61076-2-111				

M12-Male Power Rear-Mount Solder

M12-Female Power Rear-Mount Solder



Coding	3 PE 1 2 3	PE 1 2 3	PE 1 2 3 4	PE 1 2 3 4	PE 1 2 3 4 5
T	1 2 3	1 2 3	1 2 3 4	1 2 3 4	1 2 3 4 5
S	1 2 3	1 2 3	1 2 3 4	1 2 3 4	1 2 3 4 5
K	1 2 3	1 2 3	1 2 3 4	1 2 3 4	1 2 3 4 5
L	1 2 3	1 2 3	1 2 3 4	1 2 3 4	1 2 3 4 5
M	1 2 3	1 2 3	1 2 3 4	1 2 3 4	1 2 3 4 5

Part Number

A0M12 - M XXXX - 02 XX - X 3B

Sequence Number Positions:2 to 6 Coding:T S K L M

Part Number

A0M12 - F XXXX - 02 XX - X 3B

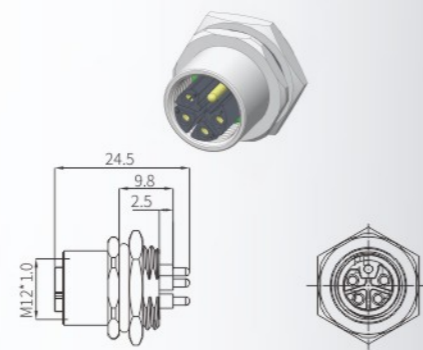
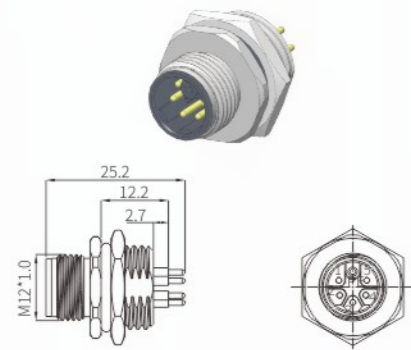
Sequence Number Positions:2 to 6 Coding:T S K L M

Technical Parameters

Number of Positions	5	4	5	4	6
Rated voltage	630V		63V	60V	630V
Rated current	16A	12A	16A	12A	8A
Rated surge voltage	6000V		1500V		6000V
Coding	K	S	L	T	M
Contact resistance	≤ 3 mΩ				
Insulation resistance	≥ 100MΩ				
Overvoltage category	III				
Degree of protection	IP67				
Insertion/withdrawal cycles	> 100				
Degree of pollution	3				
Ambient temperature	-40°C~85°C				
Contact carrier material	PA66				
Seal material	FKM				
Contact material	CuZn/CuSn				
Contact surface material	Au				
Shielded	No				
Tightening torque	0.3Nm				
Standards/specifications	IEC 61076-2-111				

M12-Male Power Rear-Mount PCB

M12-Female Power Rear-Mount PCB



Coding					
	T	S	K	L	M

Coding					
	T	S	K	L	M

Part Number

Part Number

A0M12 - M XXXX - 02 XX - X 3B		
Sequence Number	Positions:2 to 6	Coding:T S K L M

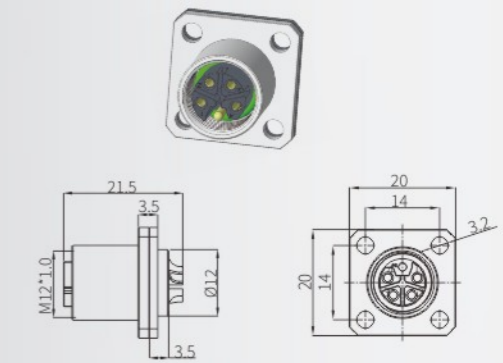
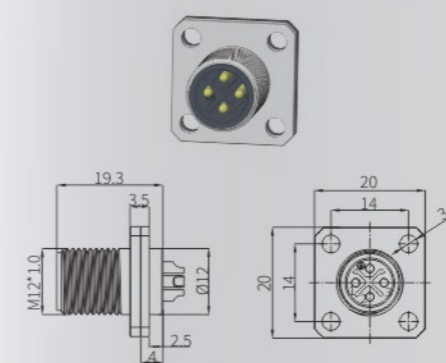
A0M12 - F XXXX - 02 XX - X 3B		
Sequence Number	Positions:2 to 6	Coding:T S K L M

Technical Parameters

Number of Positions	5	4	5	4	6
Rated voltage	630V		63V	60V	630V
Rated current	16A	12A	16A	12A	8A
Rated surge voltage	6000V		1500V		6000V
Coding	K	S	L	T	M
Contact resistance	≤ 3 mΩ				
Insulation resistance	≥ 100MΩ				
Overtoltage category	III				
Degree of protection	IP67				
Insertion/withdrawal cycles	> 100				
Degree of pollution	3				
Ambient temperature	-40°C~85°C				
Contact carrier material	PA66				
Seal material	FKM				
Contact material	CuZn/CuSn				
Contact surface material	Au				
Shielded	No				
Tightening torque	0.3Nm				
Standards/specifications	IEC 61076-2-111				

M12-Male Power Square Solder

M12-Female Power Square Solder



Coding					
	T	S	K	L	M

Coding					
	T	S	K	L	M

Part Number

Part Number

A0M12 - M XXXX - 27 XX - X 3N		
Sequence Number	Positions:2 to 6	Coding:T S K L M

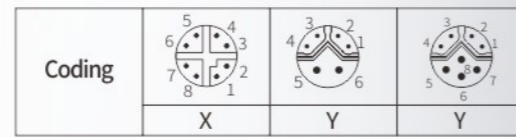
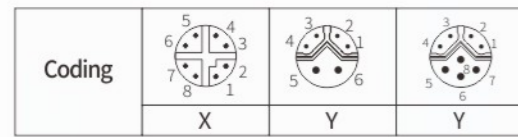
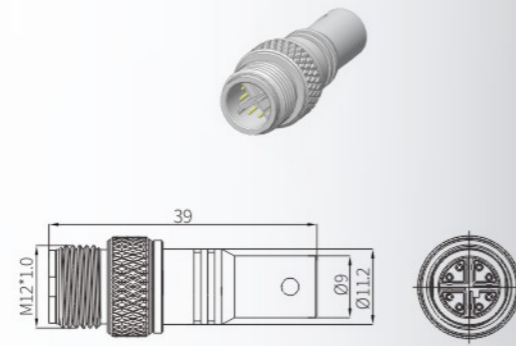
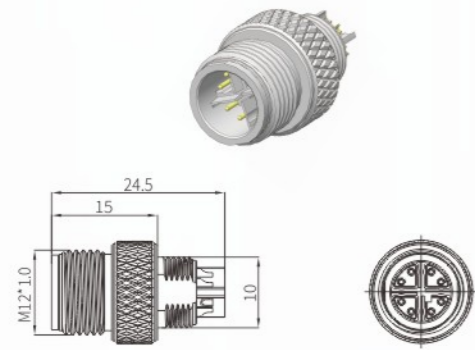
A0M12 - F XXXX - 27 XX - X 3N		
Sequence Number	Positions:2 to 6	Coding:T S K L M

Technical Parameters

Number of Positions	5	4	5	4	6
Rated voltage	630V		63V	60V	630V
Rated current	16A	12A	16A	12A	8A
Rated surge voltage	6000V		1500V		6000V
Coding	K	S	L	T	M
Contact resistance	≤ 3 mΩ				
Insulation resistance	≥ 100MΩ				
Overtoltage category	III				
Degree of protection	IP67				
Insertion/withdrawal cycles	> 100				
Degree of pollution	3				
Ambient temperature	-40°C~85°C				
Contact carrier material	PA66				
Seal material	FKM				
Contact material	CuZn/CuSn				
Contact surface material	Au				
Shielded	No				
Tightening torque	0.3Nm				
Standards/specifications	IEC 61076-2-111				

M12-Male Ethernet Shielded Solder

M12-Female Ethernet Long Shielded Solder



Part Number

Part Number

A0M12 - M XXXX - 04 XX - X 3N		
Sequence Number	Positions:6 to 8	Coding:X Y

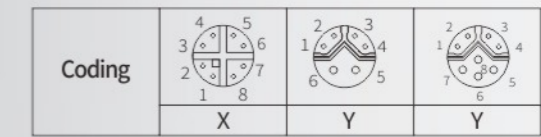
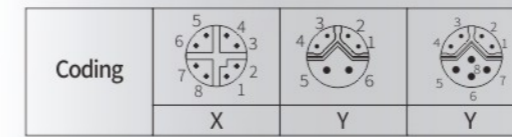
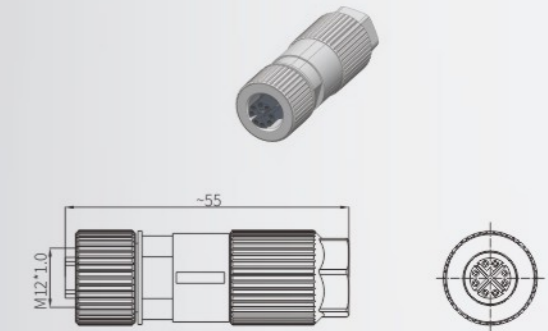
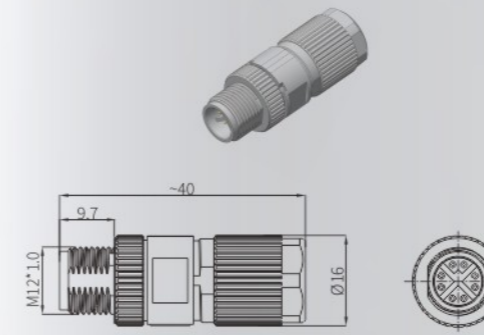
A0M12 - F XXXX - 30 XX - X 3N		
Sequence Number	Positions:6 to 8	Coding:X Y

Technical Parameters

Number of Positions	6	8	8
Rated voltage	50V		60V
Rated current	0.5A/12A	0.5A/6A	0.5A
Rated surge voltage	800V		
Coding	Y		X
Contact resistance	≤ 3 mΩ		
Insulation resistance	≥ 100MΩ		
Overtoltage category	III		
Degree of protection	IP67		
Insertion/withdrawal cycles	> 100		
Degree of pollution	3		
Ambient temperature	-40°C~85°C		
Contact carrier material	PA66		
Seal material	FKM		
Contact material	CuZn/CuSn		
Contact surface material	Au		
Shielded	Yes		
Tightening torque	0.3Nm		
Standards/specifications	IEC 61076-2-109/IEC61076-2-113		

M12-Male Ethernet Assembly Crimping

M12-Female Ethernet Assembly Crimping



Part Number

Part Number

A0M12 - M XXXX - 08 XX - X 3N		
Sequence Number	Positions:6 to 8	Coding:X Y

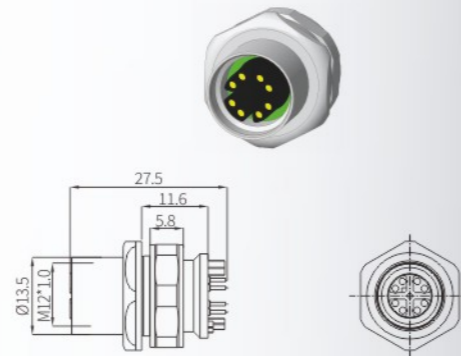
A0M12 - F XXXX - 08 XX - X 3N		
Sequence Number	Positions:6 to 8	Coding:X Y

Technical Parameters

Number of Positions	6	8	8
Rated voltage	50V		60V
Rated current	0.5A/12A	0.5A/6A	0.5A
Rated surge voltage	800V		
Coding	Y		X
Contact resistance	≤ 3 mΩ		
Insulation resistance	≥ 100MΩ		
Overtoltage category	III		
Degree of protection	IP67		
Insertion/withdrawal cycles	> 100		
Degree of pollution	3		
Ambient temperature	-40°C~85°C		
Contact carrier material	PA66		
Seal material	FKM		
Contact material	CuZn/CuSn		
Contact surface material	Au		
Shielded	Yes		
Tightening torque	0.3Nm		
Standards/specifications	IEC 61076-2-109/IEC61076-2-113		

M12-Male Ethernet Front-Mount Solder

M12-Female Ethernet Rear-Mount Solder



Coding

4 5 3 6 2 7 1 8	2 3 1 4 6 5	2 3 1 4 7 5 6
X	Y	Y

Coding

4 5 3 6 2 7 1 8	2 3 1 4 6 5	2 3 1 4 7 5 6
X	Y	Y

Part Number

Part Number

A0M12 - M XXXX - 02 XX - X 3F

Sequence Number Positions:6 to 8 Coding:X Y

A0M12 - F XXXX - 02 XX - X 3B

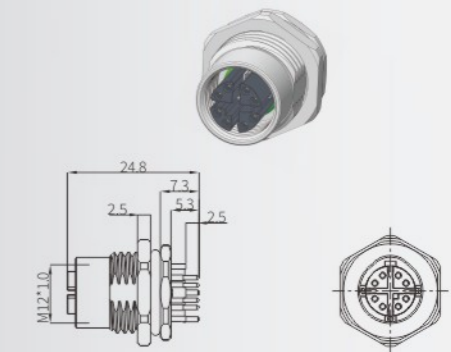
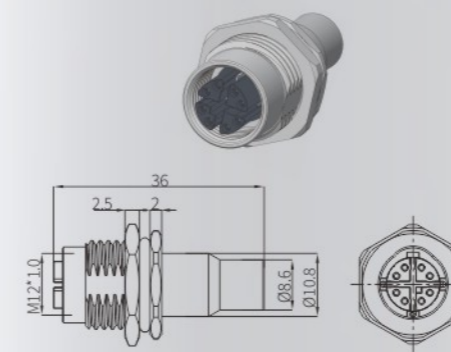
Sequence Number Positions:6 to 8 Coding:X Y

Technical Parameters

Number of Positions	6	8	8
Rated voltage	50V		
Rated current	0.5A/12A	0.5A/6A	0.5A
Rated surge voltage	800V		
Coding	Y		X
Contact resistance	≤ 3 mΩ		
Insulation resistance	≥ 100MΩ		
Overtoltage category	III		
Degree of protection	IP67		
Insertion/withdrawal cycles	> 100		
Degree of pollution	3		
Ambient temperature	-40°C~85°C		
Contact carrier material	PA66		
Seal material	FKM		
Contact material	CuZn/CuSn		
Contact surface material	Au		
Shielded	Yes		
Tightening torque	0.3Nm		
Standards/specifications	IEC 61076-2-109/IEC61076-2-113		

M12-Male Ethernet Front-Mount Long Shielded

M12-Male Ethernet Front-Mount PCB



Coding

4 5 3 6 2 7 1 8	2 3 1 4 6 5	2 3 1 4 7 5 6
X	Y	Y

Coding

4 5 3 6 2 7 1 8	2 3 1 4 6 5	2 3 1 4 7 5 6
X	Y	Y

Part Number

Part Number

A0M12 - M XXXX - 24 XX - X 3F

Sequence Number Positions:6 to 8 Coding:X Y

A0M12 - F XXXX - 24 XX - X 3N

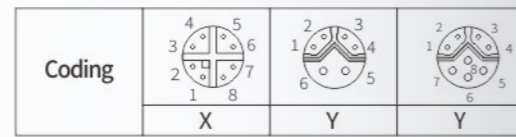
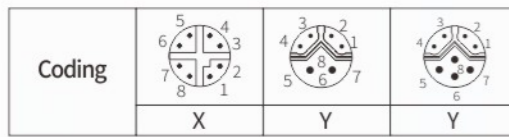
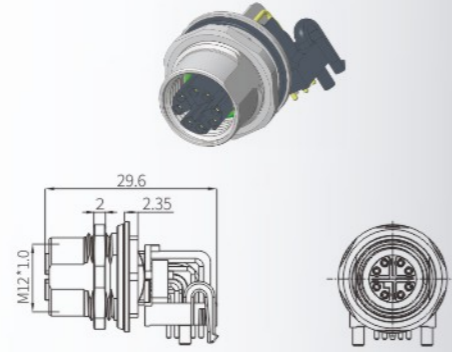
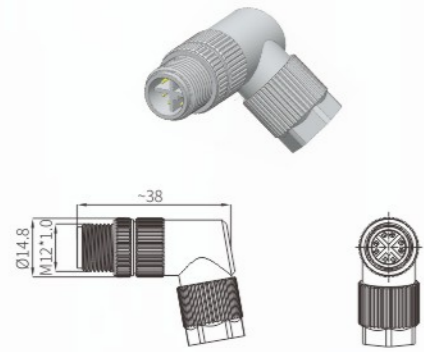
Sequence Number Positions:6 to 8 Coding:X Y

Technical Parameters

Number of Positions	6	8	8
Rated voltage	50V		
Rated current	0.5A/12A	0.5A/6A	0.5A
Rated surge voltage	800V		
Coding	Y		X
Contact resistance	≤ 3 mΩ		
Insulation resistance	≥ 100MΩ		
Overtoltage category	III		
Degree of protection	IP67		
Insertion/withdrawal cycles	> 100		
Degree of pollution	3		
Ambient temperature	-40°C~85°C		
Contact carrier material	PA66		
Seal material	FKM		
Contact material	CuSn		
Contact surface material	Au		
Shielded	Yes		
Tightening torque	0.3Nm		
Standards/specifications	IEC 61076-2-109/IEC61076-2-113		

M12-Male Ethernet Screw Lock R/A

M12-Male Ethernet R/A



Part Number

A0M12 - M XXXX - 07 XX - X 3N

Sequence Number Positions:6 to 8 Coding:XY

Part Number

A0M12 - F XXXX - 24 XX - X 3F

Sequence Number Positions:6 to 8 Coding:XY

Technical Parameters

Number of Positions	6	8	8
Rated voltage	50V		60V
Rated current	0.5A/12A	0.5A/6A	0.5A
Rated surge voltage	800V		
Coding	Y		X
Contact resistance	≤ 3 mΩ		
Insulation resistance	≥ 100MΩ		
Overtoltage category	III		
Degree of protection	IP67		
Insertion/withdrawal cycles	> 100		
Degree of pollution	3		
Ambient temperature	-40°C~85°C		
Contact carrier material	PA66		
Seal material	FKM		
Contact material	CuZn/CuSn		
Contact surface material	Au		
Shielded	Yes		
Tightening torque	0.3Nm		
Standards/specifications	IEC 61076-2-109/IEC61076-2-113		

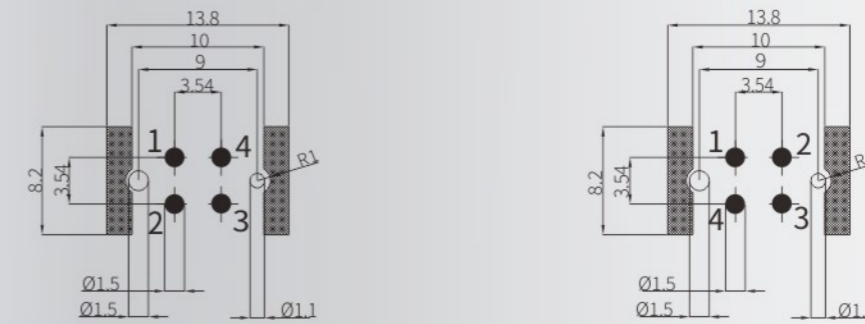
M12-Layout

Coding	Pins	Male	Female
S	4		
	3		
T	4		
	3		
	2		
M	6		
	5		
	4		
	4		
	3		

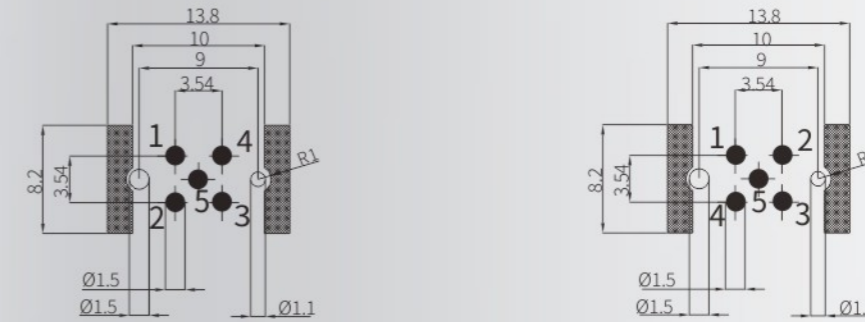
M12-Layout

Coding	Pins	Male	Female
L	5		
	4		
	3		
K	5		
	4		
	3		
x	8		
Y	6		
	8		

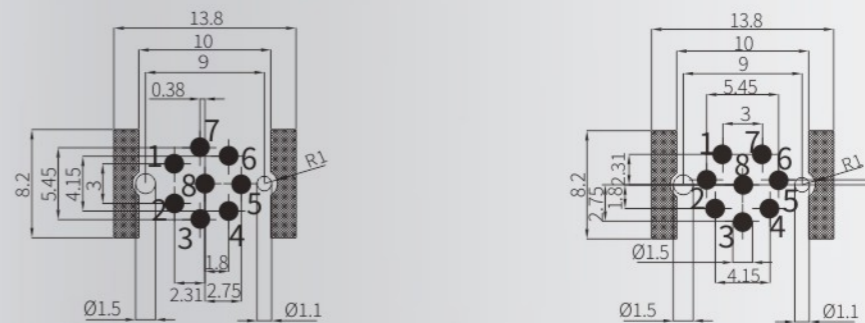
M12-PCB Cutout



	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	Plastic	Metal
M12*1.0	12.1	1.5	3.5	10.8	1	1.5Nm	3.5Nm
PG9	15.4	1.5	3.5	13.5	1	1.5Nm	3.5Nm
M16*1.5	16.2	1.5	3.5	13.5	1	1.5Nm	3.5Nm
PG11	18.7	1.5	3.5	17	1	1.5Nm	3.5Nm



	A(mm)	B(mm)	C(mm)	D(mm)	Plastic	Metal
M12*1.0	12.1	1.5	3.5	10.8	1Nm	1.5Nm
PG9	15.4	1.5	3.5	13.5	1Nm	1.5Nm
M16*1.5	16.2	1.5	3.5	13.5	1Nm	1.5Nm
PG11	18.7	1.5	3.5	17	1Nm	1.5Nm



A(mm)	B(mm)	C(mm)	Torsion
12.1	14	M3(4X)	3.5 Nm

M12-Dust Cover



Part Number

A0M12 - XXXXX - 19 XX - X 0N

Sequence Number

M=Male F=Female

Part Number

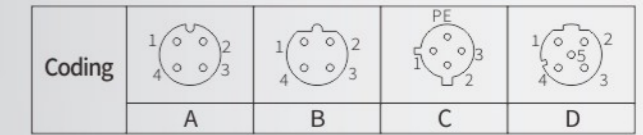
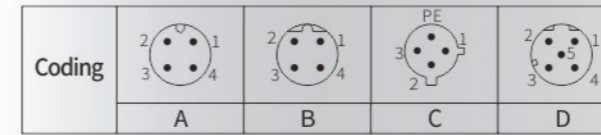
A0M12 - XXXXX - 19 XX - X 0N

Sequence Number

M=Male F=Female

M12-Male Y Type

M12-Female Y Type



Part Number

A0M12 - M XXXX - 20 XX - X 3F

Sequence Number

Positions:4 to 8

Coding:A B C D

Part Number

A0M12 - F XXXX - 20 XX - X 3F

Sequence Number

Positions:4 to 8

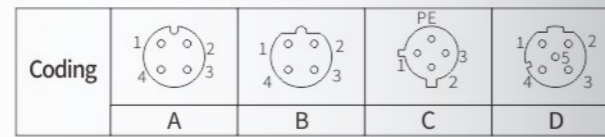
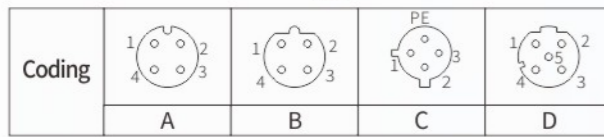
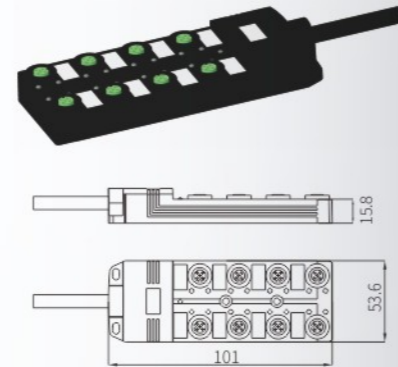
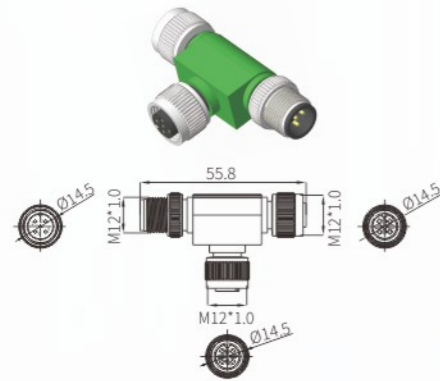
Coding:A B C D

Technical Parameters

Number of Positions	4	5	6	7	8
Rated voltage	60V				
Rated current	4A				
Rated surge voltage	800V				
Coding	A/B/C/D			A	
Contact resistance	≤ 3 mΩ				
Insulation resistance	≥ 100MΩ				
Overtoltage category	II				
Degree of protection	IP67				
Insertion/withdrawal cycles	> 100				
Degree of pollution	3				
Ambient temperature	-25°C~85°C				
Contact carrier material	PA66				
Seal material	FKM				
Contact material	CuZn/CuSn				
Contact surface material	Au				
Shielded	No				
Tightening torque	0.3Nm				
Standards/specifications	IEC 61076-2-101				

M12-Female T Type

M12-Female I/O-Link



Part Number

A0M12 - M XXXX - 20 XX - X 3F

Sequence Number Positions:4 to 8 Coding:A B C D

Part Number

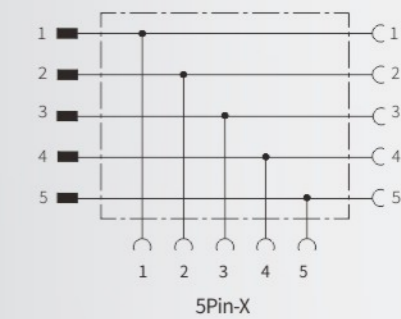
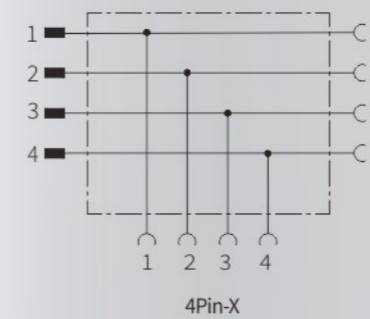
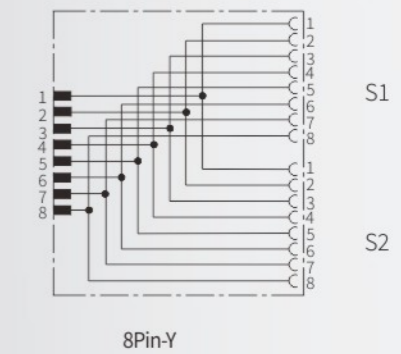
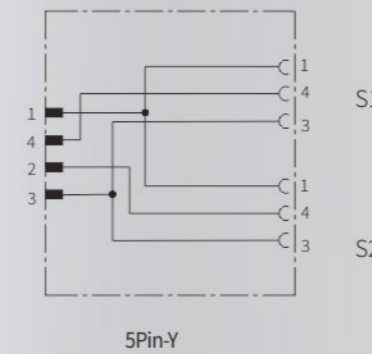
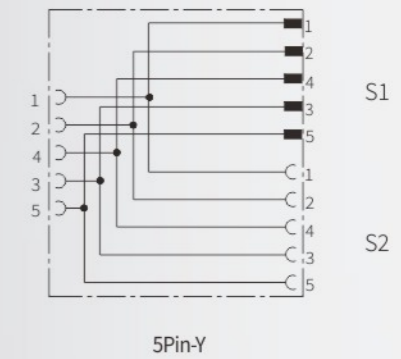
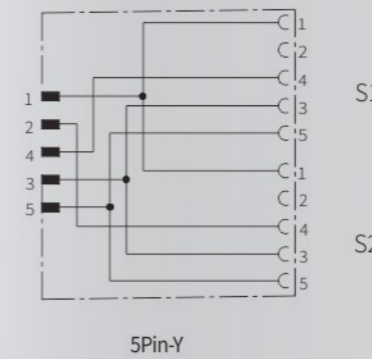
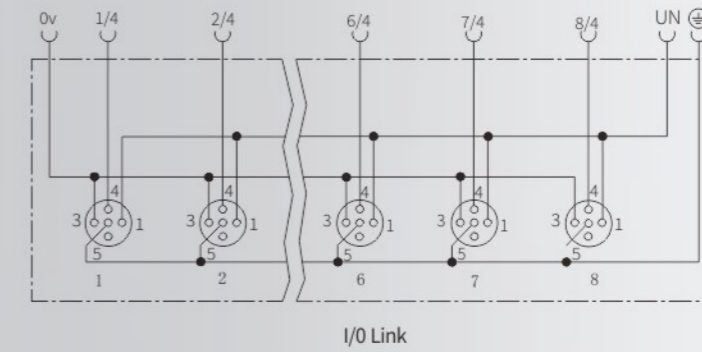
A0M12 - F XXXX - 20 XX - X 3N

Sequence Number Positions:4 to 8 Coding:A B C D

Technical Parameters

Number of Positions	4	5	6	7	8
Rated voltage			60V		
Rated current			4A		
Rated surge voltage			800V		
Coding	A/B/C/D			A	
Contact resistance			≤ 3 mΩ		
Insulation resistance			≥ 100MΩ		
Overtoltage category			II		
Degree of protection			IP67		
Insertion/withdrawal cycles			> 100		
Degree of pollution			3		
Ambient temperature			-25°C~85°C		
Contact carrier material			PA66		
Seal material			FKM		
Contact material			CuZn/CuSn		
Contact surface material			Au		
Shielded			No		
Tightening torque			0.3Nm		
Standards/specifications			IEC 61076-2-101		

M12-Wiring Definition



M16-Layout

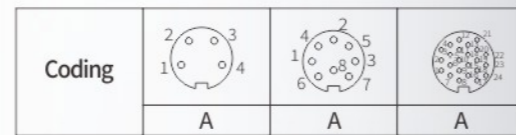
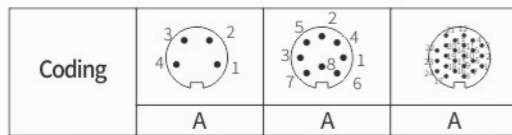
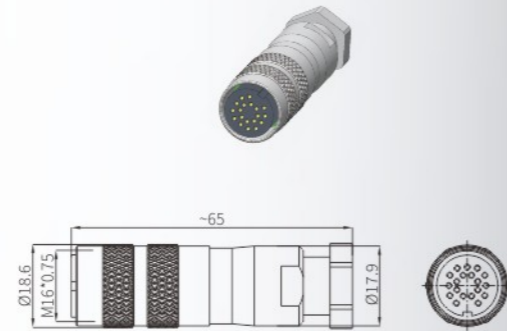
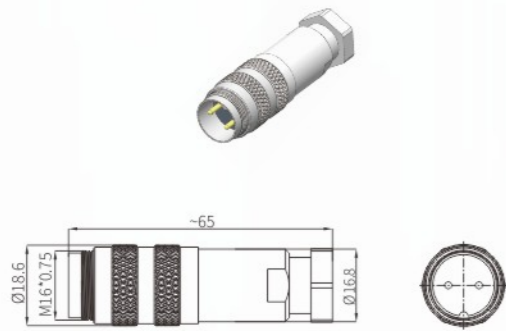
Coding	Number of Positions	Male	Female	AWG	mm ²
A	2A			18	0.75
	3A			18	0.75
	4A			18	0.75
	5A			18	0.75
	5B			18	0.75
	6A			18	0.75
	7A			18	0.75
	7B			18	0.75
	8A			18	0.75

M16-Layout

Coding	Number of Positions	Male	Female	AWG	mm ²
A	12A			24	0.25
	14B			24	0.25
	16			24	0.25
	19A			24	0.25
	24A			26	0.14

M16-Male Metal Assembly

M16-Female Metal Assembly



Part Number

A0M16 - M XXXX - 14 XX - X 3N		
Sequence Number	Positions:2 to 24	Coding:A

Part Number

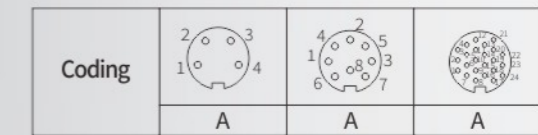
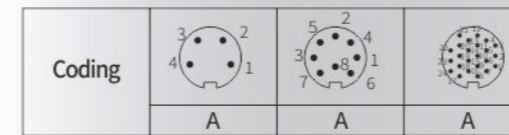
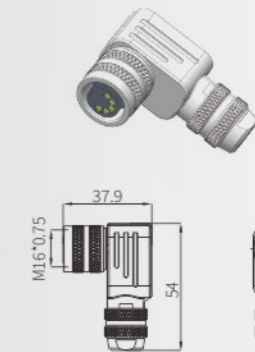
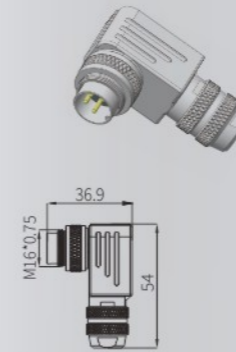
A0M16 - F XXXX - 14 XX - X 3N		
Sequence Number	Positions:2 to 24	Coding:A

Technical Parameters

Number of Positions	2A	3A	4A	5A	5B	6A	7A	7B	8A	12A	14A	19A	24A
Rated voltage	250V		60V		250V	125V	60V						
Rated current	7A	6A		5A			3A		1A				
Rated surge voltage	1500V		500V	1500V	800V		500V						
Coding	A												
Contact resistance	≤ 3 mΩ												
Insulation resistance	≥ 100MΩ												
Overtoltage category	II												
Degree of protection	IP67												
Insertion/withdrawal cycles	> 100												
Degree of pollution	2												
Ambient temperature	-40°C~85°C												
Contact carrier material	PBT												
Seal material	FKM												
Contact material	CuZn/CuSn												
Contact surface material	Au												
Shielded	Yes												
Tightening torque	0.4Nm												
Standards/specifications	IEC 61076-2-106												

M16-Male Metal Assembly R/A

M16-Female Metal Assembly R/A



Part Number

A0M16 - M XXXX - 29 XX - X 3N		
Sequence Number	Positions:2 to 24	Coding:A

Part Number

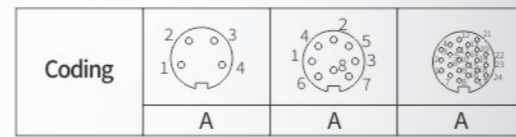
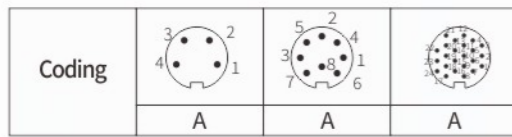
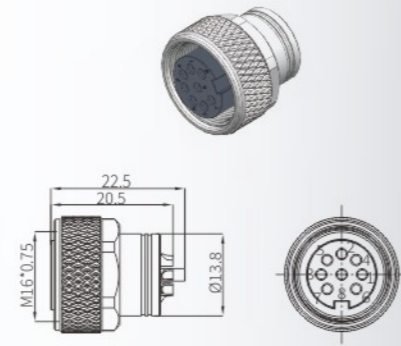
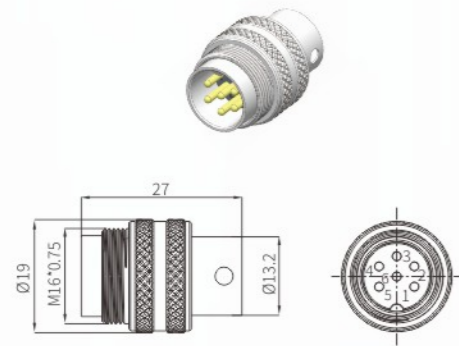
A0M16 - F XXXX - 29 XX - X 3N		
Sequence Number	Positions:2 to 24	Coding:A

Technical Parameters

Number of Positions	2A	3A	4A	5A	5B	6A	7A	7B	8A	12A	14A	19A	24A
Rated voltage	250V		60V		250V	125V	60V						
Rated current	7A	6A		5A			3A		1A				
Rated surge voltage	1500V		500V	1500V	800V		500V						
Coding	A												
Contact resistance	≤ 3 mΩ												
Insulation resistance	≥ 100MΩ												
Overtoltage category	II												
Degree of protection	IP67												
Insertion/withdrawal cycles	> 100												
Degree of pollution	2												
Ambient temperature	-40°C~85°C												
Contact carrier material	PBT												
Seal material	FKM												
Contact material	CuZn/CuSn												
Contact surface material	Au												
Shielded	Yes												
Tightening torque	0.4Nm												
Standards/specifications	IEC 61076-2-106												

M16-Male Shielded Solder

M16-Female Shielded Solder



Part Number

A0M16 - M XXXX - 01 XX - X 3N

Sequence Number Positions:2 to 24 Coding:A

Part Number

A0M16 - F XXXX - 01 XX - X 3N

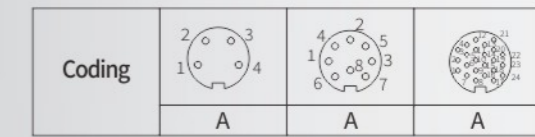
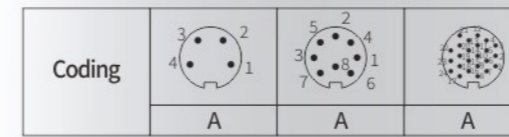
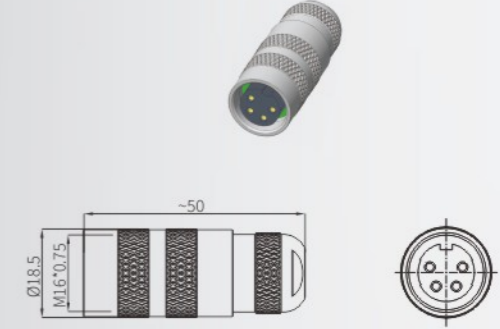
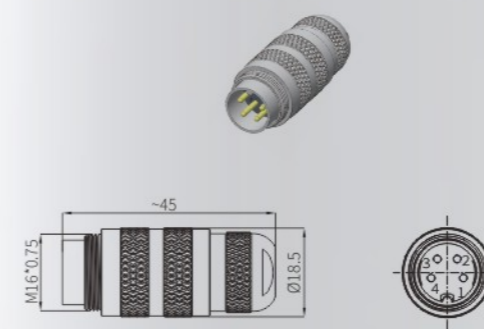
Sequence Number Positions:2 to 24 Coding:A

Technical Parameters

Number of Positions	2A	3A	4A	5A	5B	6A	7A	7B	8A	12A	14A	19A	24A
Rated voltage	250V		60V		250V	125V	60V						
Rated current	7A	6A		5A			3A		1A				
Rated surge voltage	1500V		500V	1500V	800V		500V						
Coding	A												
Contact resistance	≤ 3 mΩ												
Insulation resistance	≥ 100MΩ												
Overtoltage category	II												
Degree of protection	IP67												
Insertion/withdrawal cycles	> 100												
Degree of pollution	2												
Ambient temperature	-40°C~85°C												
Contact carrier material	PBT												
Seal material	FKM												
Contact material	CuZn/CuSn												
Contact surface material	Au												
Shielded	Yes												
Tightening torque	0.4Nm												
Standards/specifications	IEC 61076-2-106												

M16-Male Metal Assembly

M16-Female Metal Assembly



Part Number

A0M16 - M XXXX - 14 XX - X 3N

Sequence Number Positions:2 to 24 Coding:A

Part Number

A0M16 - F XXXX - 14 XX - X 3N

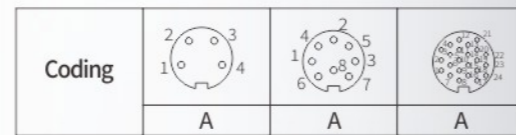
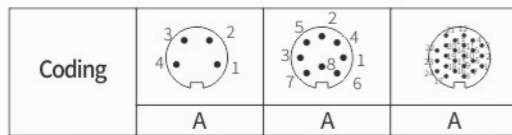
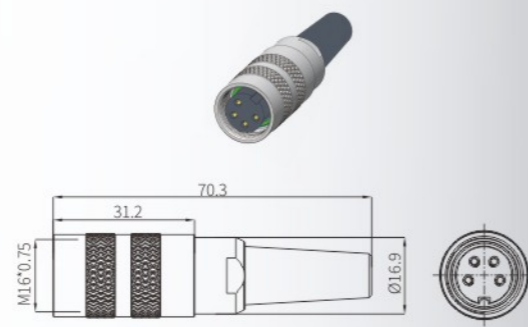
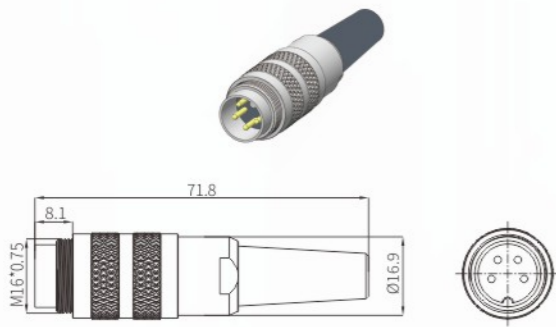
Sequence Number Positions:2 to 24 Coding:A

Technical Parameters

Number of Positions	2A	3A	4A	5A	5B	6A	7A	7B	8A	12A	14A	19A	24A
Rated voltage	250V		60V		250V	125V	60V						
Rated current	7A	6A		5A			3A		1A				
Rated surge voltage	1500V		500V	1500V	800V		500V						
Coding	A												
Contact resistance	≤ 3 mΩ												
Insulation resistance	≥ 100MΩ												
Overtoltage category	II												
Degree of protection	IP67												
Insertion/withdrawal cycles	> 100												
Degree of pollution	2												
Ambient temperature	-40°C~85°C												
Contact carrier material	PBT												
Seal material	FKM												
Contact material	CuZn/CuSn												
Contact surface material	Au												
Shielded	Yes												
Tightening torque	0.4Nm												
Standards/specifications	IEC 61076-2-106												

M16-Male Metal Assembly IP40

M16-Female Metal Assembly IP40



Part Number

A0M16 - M XXXX - 14 XX - X 3N		
Sequence Number	Positions:2 to 24	Coding:A

Part Number

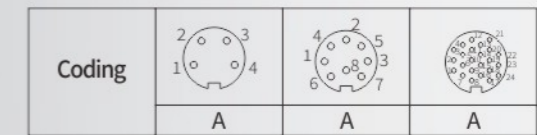
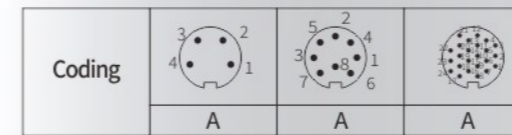
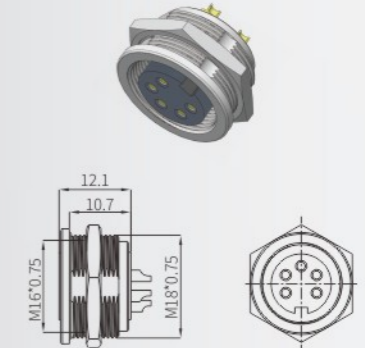
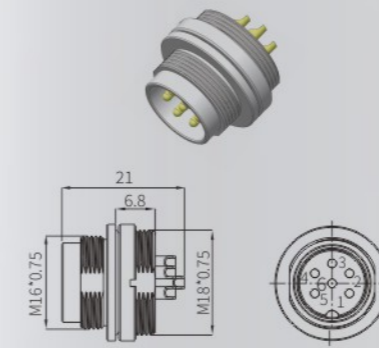
A0M16 - F XXXX - 14 XX - X 3N		
Sequence Number	Positions:2 to 24	Coding:A

Technical Parameters

Number of Positions	2A	3A	4A	5A	5B	6A	7A	7B	8A	12A	14A	19A	24A
Rated voltage	250V		60V		250V	125V	60V						
Rated current	7A	6A		5A			3A		1A				
Rated surge voltage	1500V		500V	1500V	800V		500V						
Coding	A												
Contact resistance	≤ 3 mΩ												
Insulation resistance	≥ 100MΩ												
Overvoltage category	II												
Degree of protection	IP67												
Insertion/withdrawal cycles	> 100												
Degree of pollution	2												
Ambient temperature	-40°C~85°C												
Contact carrier material	PBT												
Seal material	FKM												
Contact material	CuZn/CuSn												
Contact surface material	Au												
Shielded	No												
Tightening torque	0.4Nm												
Standards/specifications	IEC 61076-2-106												

M16-Male Rear-Mount Solder

M16-Female Rear-Mount Solder



Part Number

A0M16 - M XXXX - 02 XX - X 3B		
Sequence Number	Positions:2 to 24	Coding:A

Part Number

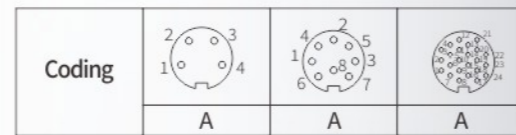
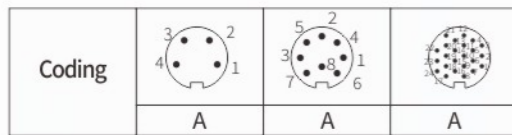
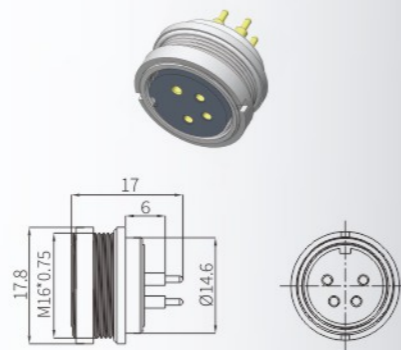
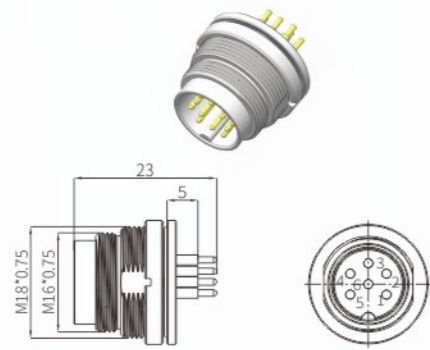
A0M16 - F XXXX - 02 XX - X 3B		
Sequence Number	Positions:2 to 24	Coding:A

Technical Parameters

Number of Positions	2A	3A	4A	5A	5B	6A	7A	7B	8A	12A	14A	19A	24A
Rated voltage	250V		60V		250V	125V	60V						
Rated current	7A	6A		5A			3A		1A				
Rated surge voltage	1500V		500V	1500V	800V		500V						
Coding	A												
Contact resistance	≤ 3 mΩ												
Insulation resistance	≥ 100MΩ												
Overvoltage category	II												
Degree of protection	IP67												
Insertion/withdrawal cycles	> 100												
Degree of pollution	2												
Ambient temperature	-40°C~85°C												
Contact carrier material	PBT												
Seal material	FKM												
Contact material	CuZn/CuSn												
Contact surface material	Au												
Shielded	No												
Tightening torque	0.4Nm												
Standards/specifications	IEC 61076-2-106												

M16-Male Front-Mount PCB

M16-Female Front-Mount PCB



Part Number

A0M16 - M XXXX - 02 XX - X 3F		
Sequence Number	Positions:2 to 24	Coding:A

Part Number

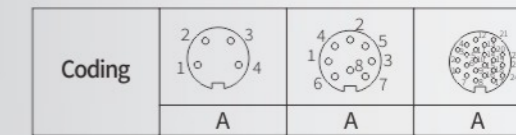
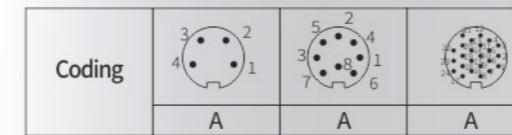
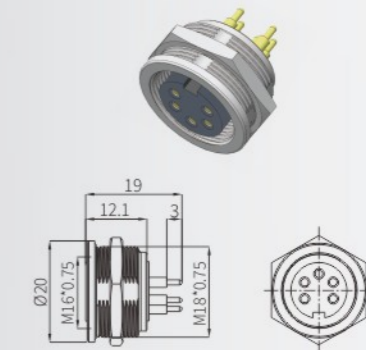
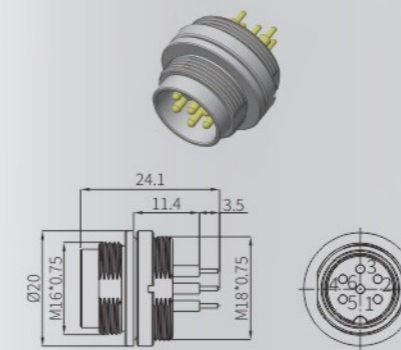
A0M16 - F XXXX - 02 XX - X 3F		
Sequence Number	Positions:2 to 24	Coding:A

Technical Parameters

Number of Positions	2A	3A	4A	5A	5B	6A	7A	7B	8A	12A	14A	19A	24A
Rated voltage	250V		60V		250V	125V	60V						
Rated current	7A	6A		5A			3A		1A				
Rated surge voltage	1500V		500V	1500V	800V		500V						
Coding	A												
Contact resistance	≤ 3 mΩ												
Insulation resistance	≥ 100MΩ												
Overvoltage category	II												
Degree of protection	IP67												
Insertion/withdrawal cycles	> 100												
Degree of pollution	2												
Ambient temperature	-40°C~85°C												
Contact carrier material	PBT												
Seal material	FKM												
Contact material	CuZn/CuSn												
Contact surface material	Au												
Shielded	No												
Tightening torque	0.4Nm												
Standards/specifications	IEC 61076-2-106												

M16-Male Rear-Mount PCB

M16-Female Rear-Mount PCB



Part Number

A0M16 - M XXXX - 02 XX - X 3B		
Sequence Number	Positions:2 to 24	Coding:A

Part Number

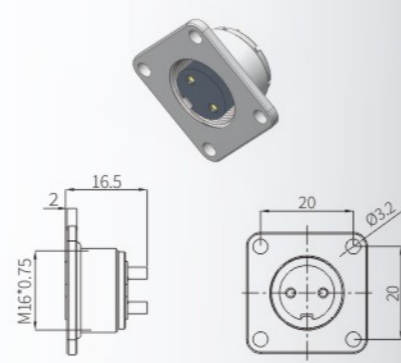
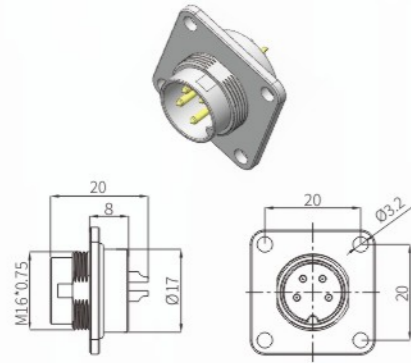
A0M16 - F XXXX - 02 XX - X 3B		
Sequence Number	Positions:2 to 24	Coding:A

Technical Parameters

Number of Positions	2A	3A	4A	5A	5B	6A	7A	7B	8A	12A	14A	19A	24A
Rated voltage	250V		60V		250V	125V	60V						
Rated current	7A	6A		5A			3A		1A				
Rated surge voltage	1500V		500V	1500V	800V		500V						
Coding	A												
Contact resistance	≤ 3 mΩ												
Insulation resistance	≥ 100MΩ												
Overvoltage category	II												
Degree of protection	IP67												
Insertion/withdrawal cycles	> 100												
Degree of pollution	2												
Ambient temperature	-40°C~85°C												
Contact carrier material	PBT												
Seal material	FKM												
Contact material	CuZn/CuSn												
Contact surface material	Au												
Shielded	No												
Tightening torque	0.4Nm												
Standards/specifications	IEC 61076-2-106												

M16-Male Square Solder

M16-Female Square Solder



Coding			
	A	A	A

Coding			
	A	A	A

Part Number

A0M16 - M XXXX - 27 XX - X 3F		
Sequence Number	Positions:2 to 24	Coding:A

Part Number

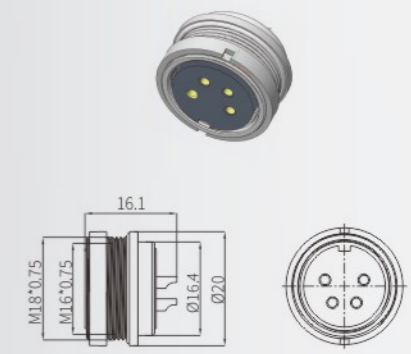
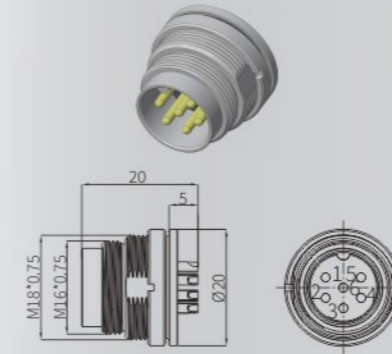
A0M16 - F XXXX - 27 XX - X 3F		
Sequence Number	Positions:2 to 24	Coding:A

Technical Parameters

Number of Positions	2A	3A	4A	5A	5B	6A	7A	7B	8A	12A	14A	19A	24A
Rated voltage	250V				60V	250V	125V	60V					
Rated current	7A		6A		5A				3A		1A		
Rated surge voltage	1500V				500V	1500V	800V		500V				
Coding	A												
Contact resistance	≤ 3 mΩ												
Insulation resistance	≥ 100MΩ												
Overtoltage category	II												
Degree of protection	IP67												
Insertion/withdrawal cycles	> 100												
Degree of pollution	2												
Ambient temperature	-40°C~85°C												
Contact carrier material	PBT												
Seal material	FKM												
Contact material	CuZn/CuSn												
Contact surface material	Au												
Shielded	No												
Tightening torque	0.4Nm												
Standards/specifications	IEC 61076-2-106												

M16-Male Front-Mount Solder

M16-Female Front-Mount Solder



Coding			
	A	A	A

Coding			
	A	A	A

Part Number

A0M16 - M XXXX - 02 XX - X 3F		
Sequence Number	Positions:2 to 24	Coding:A

Part Number

A0M16 - F XXXX - 02 XX - X 3F		
Sequence Number	Positions:2 to 24	Coding:A

Technical Parameters

Number of Positions	2A	3A	4A	5A	5B	6A	7A	7B	8A	12A	14A	19A	24A
Rated voltage	250V				60V	250V	125V	60V					
Rated current	7A		6A		5A				3A		1A		
Rated surge voltage	1500V				500V	1500V	800V		500V				
Coding	A												
Contact resistance	≤ 3 mΩ												
Insulation resistance	≥ 100MΩ												
Overtoltage category	II												
Degree of protection	IP67												
Insertion/withdrawal cycles	> 100												
Degree of pollution	2												
Ambient temperature	-40°C~85°C												
Contact carrier material	PBT												
Seal material	FKM												
Contact material	CuZn/CuSn												
Contact surface material	Au												
Shielded	No												
Tightening torque	0.4Nm												
Standards/specifications	IEC 61076-2-106												

M16-Dust Cover



A0M16 - X XXXX - 19 XX - X ON

M=Male F=Female

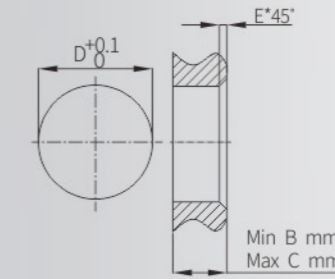
Sequence Number

A0M16 - X XXXX - 19 XX - X ON

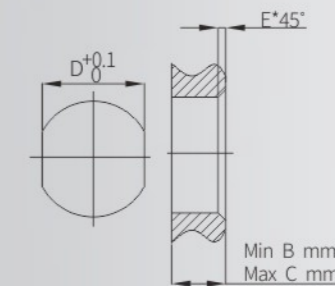
M=Male F=Female

Sequence Number

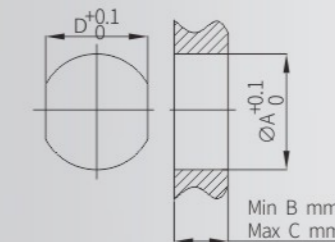
M16-Panel Cutout



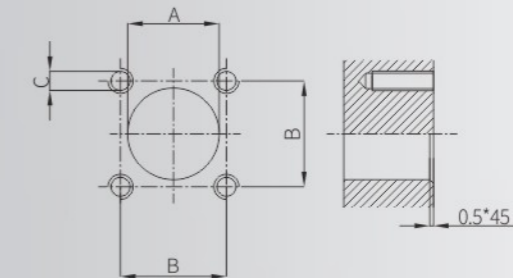
	A(mm)	B(mm)	C(mm)	E(mm)
M18*0.75	18.1	1	2.5	1



	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
M18*0.75	18.1	1	2.5	17	1



	A(mm)	B(mm)	C(mm)	D(mm)
M18*0.75	18.1	1	2.5	17



A(mm)	B(mm)	C(mm)	Torsion
17.1	20	M3(4X)	3.5 Nm

M16-Layout

Coding	Number of Positions	Male	Female
A	2A		
	3A		
	4A		
	5A		
	5B		
	6A		

M16-Layout

Coding	Number of Positions	Male	Female
A	2A		
	3A		
	4A		
	5A		
	5B		
	6A		

M16-Layout

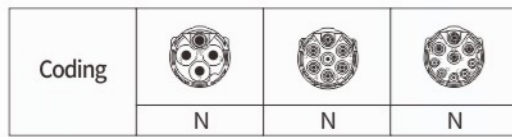
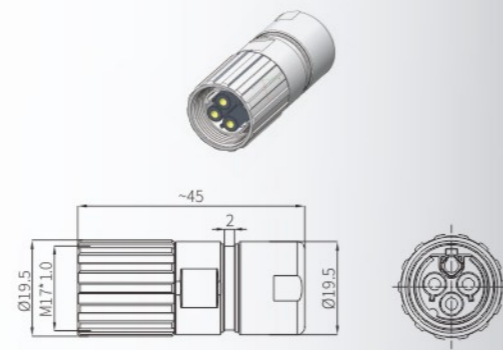
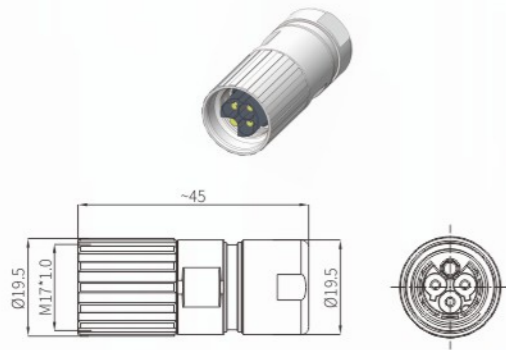
Coding	Number of Positions	Male	Female
A	19A		
	24A		

M17-Layout

Coding	Number of Positions	Male	Female	AWG	mm ²
N	4			14	2.5
	6			16	1.3
	7			16	1.3
	8			16/24	1.3/0.25
	9 (5+3+PE)			16/24	1.3/0.25
	17			24	0.25

M17-Male Metal Assembly Crimp Internal Thread

M17-Female Metal Assembly Crimp Internal Thread



Part Number

A0M17 - M XXXX - 14 XX - X 3N		
Sequence Number	Positions:4 to 17	Coding:N

Part Number

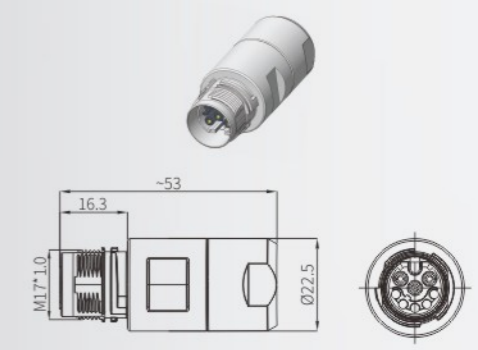
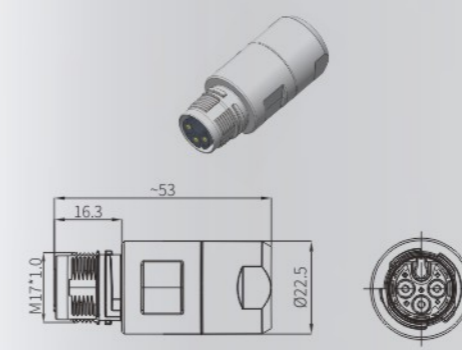
A0M17 - F XXXX - 14 XX - X 3N		
Sequence Number	Positions:4 to 17	Coding:N

Technical Parameters

Number of Positions	4	6	7	8	9(8+PE)	17
Rated voltage	630V			630V/60V		48V
Rated current	25A	14A			14A/3.6A	3.6A
Rated surge voltage	6000V			6000V/1500V		1500V
Coding	N					
Contact resistance	≤ 5 mΩ					
Insulation resistance	≥ 100MΩ					
Overvoltage category	III					
Degree of protection	IP67					
Insertion/withdrawal cycles	> 100					
Degree of pollution	3					
Ambient temperature	-40°C~125°C					
Contact carrier material	PA66					
Seal material	FPM					
Contact material	CuSn					
Contact surface material	Au					
Shielded	Yes					
Tightening torque	0.4Nm					
Standards/specifications	-					

M17-Male Metal Assembly Crimp External Thread

M17-Female Metal Assembly Crimp External Thread



Part Number

A0M17 - M XXXX - 14 XX - X 3N		
Sequence Number	Positions:4 to 17	Coding:N

Part Number

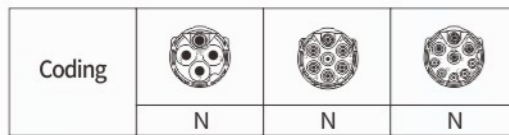
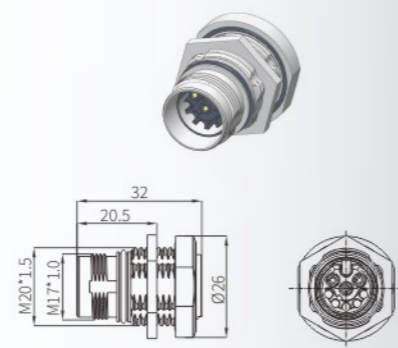
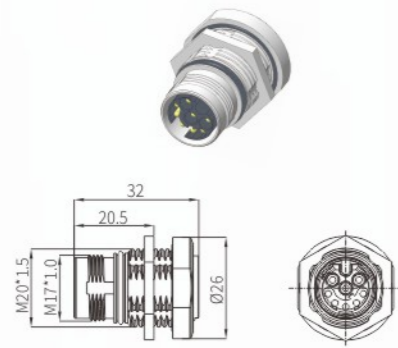
A0M17 - F XXXX - 14 XX - X 3N		
Sequence Number	Positions:4 to 17	Coding:N

Technical Parameters

Number of Positions	4	6	7	8	9(8+PE)	17
Rated voltage	630V			630V/60V		48V
Rated current	25A	14A			14A/3.6A	3.6A
Rated surge voltage	6000V			6000V/1500V		1500V
Coding	N					
Contact resistance	≤ 5 mΩ					
Insulation resistance	≥ 100MΩ					
Overvoltage category	III					
Degree of protection	IP67					
Insertion/withdrawal cycles	> 100					
Degree of pollution	3					
Ambient temperature	-40°C~125°C					
Contact carrier material	PA66					
Seal material	FPM					
Contact material	CuSn					
Contact surface material	Au					
Shielded	Yes					
Tightening torque	0.4Nm					
Standards/specifications	-					

M17-Male Front-Mount Crimping

M17-Female Front-Mount Crimping



Part Number

A0M17 - M XXXX - 02 XX - X 3N

Sequence Number Positions:4 to 17 Coding:N

Part Number

A0M17 - F XXXX - 02 XX - X 3N

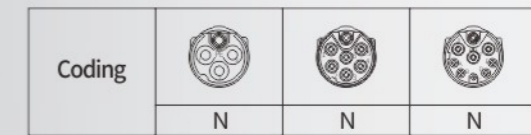
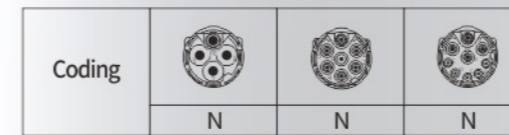
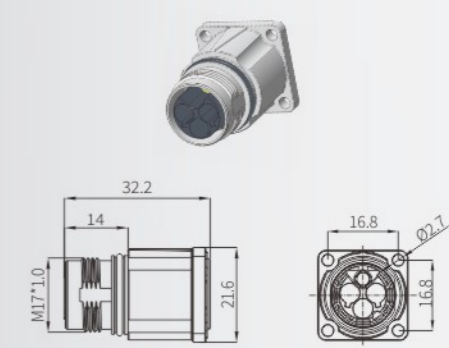
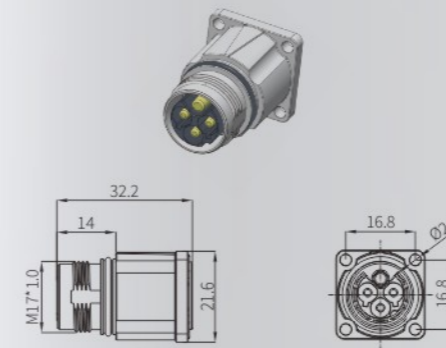
Sequence Number Positions:4 to 17 Coding:N

Technical Parameters

Number of Positions	4	6	7	8	9(8+PE)	17
Rated voltage	630V				630V/60V	48V
Rated current	25A	14A			14A/3.6A	3.6A
Rated surge voltage	6000V				6000V/1500V	1500V
Coding	N					
Contact resistance	≤ 5 mΩ					
Insulation resistance	≥ 100MΩ					
Overtoltage category	III					
Degree of protection	IP67					
Insertion/withdrawal cycles	> 100					
Degree of pollution	3					
Ambient temperature	-40°C~125°C					
Contact carrier material	PA66					
Seal material	FPM					
Contact material	CuSn					
Contact surface material	Au					
Shielded	No					
Tightening torque	0.4Nm					
Standards/specifications	-					

M17-Male Square Crimping

M17-Female Square Crimping



Part Number

A0M17 - M XXXX - 27 XX - X 3N

Sequence Number Positions:4 to 17 Coding:N

Part Number

A0M17 - F XXXX - 27 XX - X 3N

Sequence Number Positions:4 to 17 Coding:N

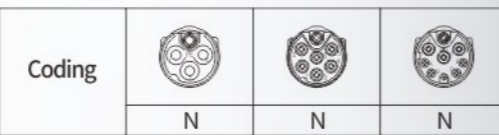
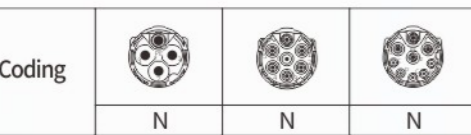
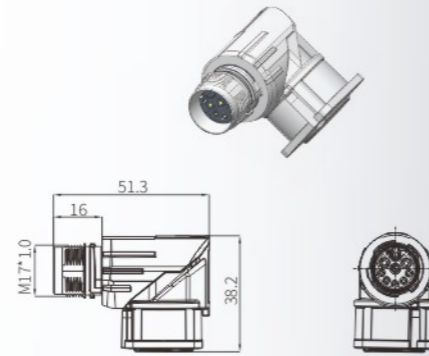
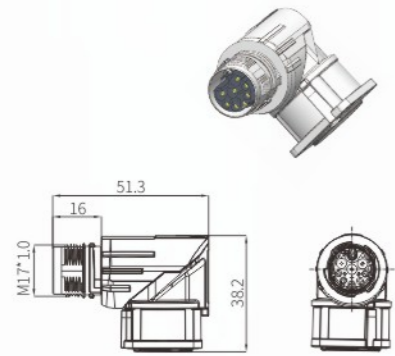
Technical Parameters

Number of Positions	4	6	7	8	9(8+PE)	17
Rated voltage	630V				630V/60V	48V
Rated current	25A	14A			14A/3.6A	3.6A
Rated surge voltage	6000V				6000V/1500V	1500V
Coding	N					
Contact resistance	≤ 5 mΩ					
Insulation resistance	≥ 100MΩ					
Overtoltage category	III					
Degree of protection	IP67					
Insertion/withdrawal cycles	> 100					
Degree of pollution	3					
Ambient temperature	-40°C~125°C					
Contact carrier material	PA66					
Seal material	FPM					
Contact material	CuSn					
Contact surface material	Au					
Shielded	No					
Tightening torque	0.4Nm					
Standards/specifications	-					

M17-Male R/A Crimping

M17-Female R/A Crimping

M17-Dust Cover



Part Number

A0M17 - M XXXX - 39 XX - X 3N

Sequence Number Positions:4 to 17 Coding:N

Part Number

A0M17 - F XXXX - 39 XX - X 3N

Sequence Number Positions:4 to 17 Coding:N

Technical Parameters

Number of Positions	4	6	7	8	9(8+PE)	17
Rated voltage		630V			630V/60V	48V
Rated current	25A	14A			14A/3.6A	3.6A
Rated surge voltage		6000V			6000V/1500V	1500V
Coding		N				
Contact resistance		≤ 5 mΩ				
Insulation resistance		≥ 100MΩ				
Overtoltage category		III				
Degree of protection		IP67				
Insertion/withdrawal cycles		> 100				
Degree of pollution		3				
Ambient temperature		-40°C~125°C				
Contact carrier material		PA66				
Seal material		FPM				
Contact material		CuSn				
Contact surface material		Au				
Shielded		Yes				
Tightening torque		0.4Nm				
Standards/specifications		-				



Part Number

A0M17 - X XXXX - 19 XX - X 0N

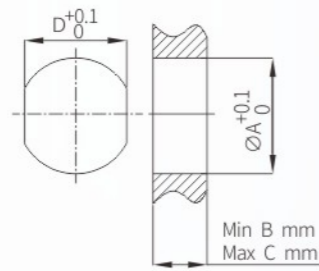
M=Male F=Female Sequence Number

Part Number

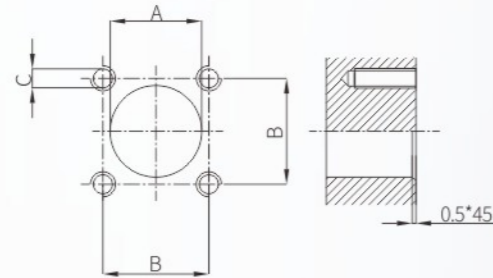
A0M17 - X XXXX - 19 XX - X 0N

M=Male F=Female Sequence Number

M17-Panel Cutout



	A(mm)	B(mm)	C(mm)	D(mm)
M20*1.5	20.2	1	3	18.1



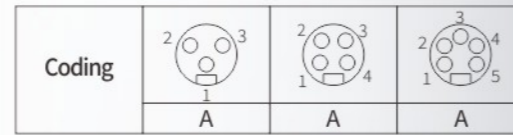
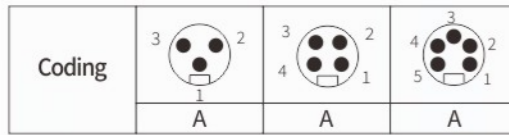
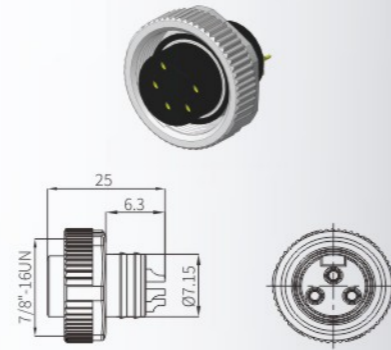
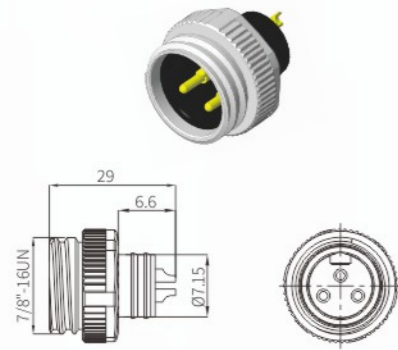
	A(mm)	B(mm)	C(mm)	Torsion
I	17	16.8	M2.5(4X)	1.5 Nm
II	20.1	18.8	M3(4X)	1.5 Nm

7/8-Layout

Coding	Number of Positions	Male	Female	AWG	mm ²
A	3			16	1.3
	4			16	1.3
	5			16	1.3

7/8-Male Solder

7/8-Female Solder



Part Number



Part Number

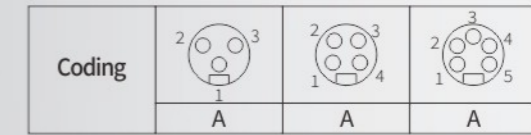
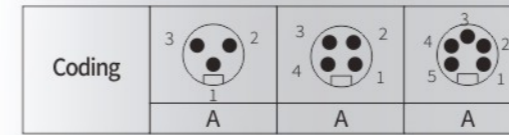
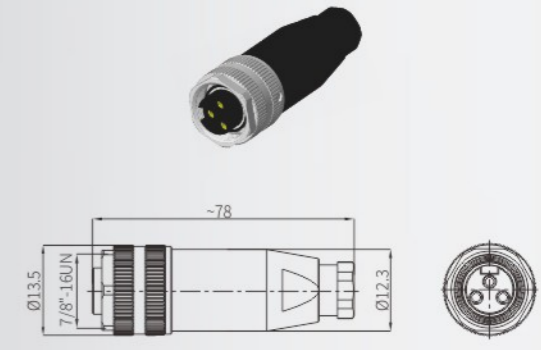
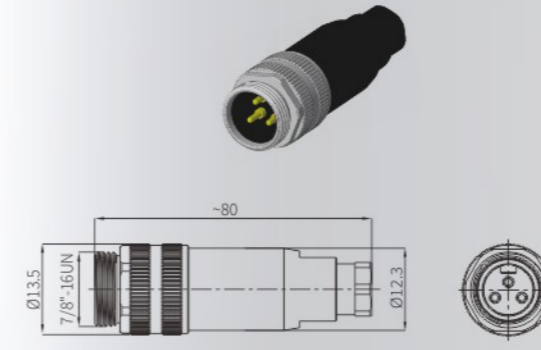


Technical Parameters

Number of Positions	3	4	5
Rated voltage	300V		300V
Rated current	12A		9A
Rated surge voltage		4000V	
Coding		A	
Contact resistance		≤ 5 mΩ	
Insulation resistance		≥ 100MΩ	
Overtoltage category		III	
Degree of protection		IP67	
Insertion/withdrawal cycles		> 100	
Degree of pollution		3	
Ambient temperature		-25°C~105°C	
Contact carrier material		PUR/PA66	
Seal material		FKM	
Contact material		CuZn/CuSn	
Contact surface material		Au	
Shielded		No	
Tightening torque		0.5Nm	
Standards/specifications		-	

7/8-Male Plastic Assembly Solder

7/8-Female Plastic Assembly Solder



Part Number



Part Number

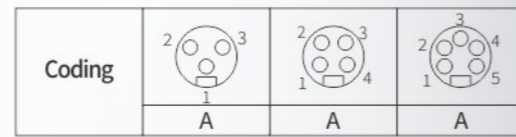
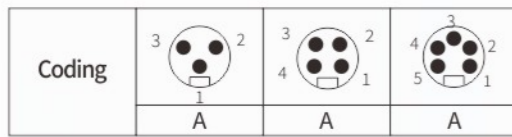
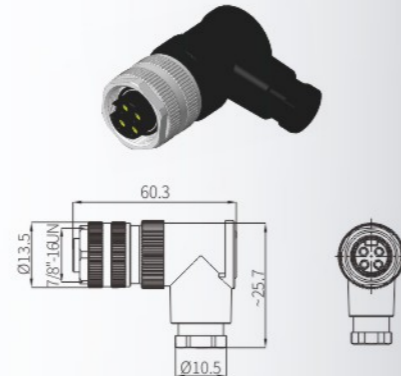
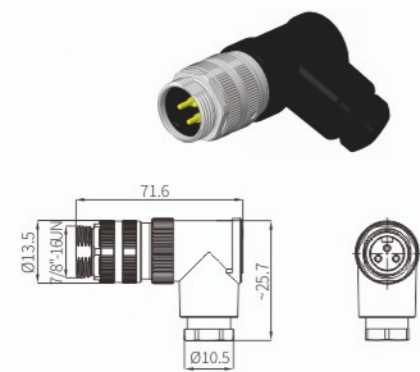


Technical Parameters

Number of Positions	3	4	5
Rated voltage	300V		300V
Rated current	12A		9A
Rated surge voltage		4000V	
Coding		A	
Contact resistance		≤ 5 mΩ	
Insulation resistance		≥ 100MΩ	
Overtoltage category		III	
Degree of protection		IP67	
Insertion/withdrawal cycles		> 100	
Degree of pollution		3	
Ambient temperature		-25°C~105°C	
Contact carrier material		PUR/PA66	
Seal material		FKM	
Contact material		CuZn/CuSn	
Contact surface material		Au	
Shielded		No	
Tightening torque		0.5Nm	
Standards/specifications		-	

7/8-Male Plastic Assembly Solder R/A

7/8-Female Plastic Assembly Solder R/A



Part Number

A07/8 - M XXXX - 14 XX - X 3N		
Sequence Number	Positions:3 to 5	Coding:A

Part Number

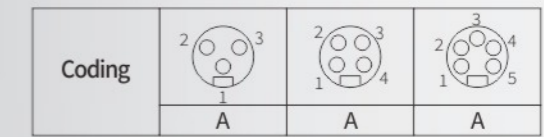
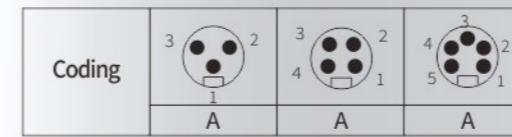
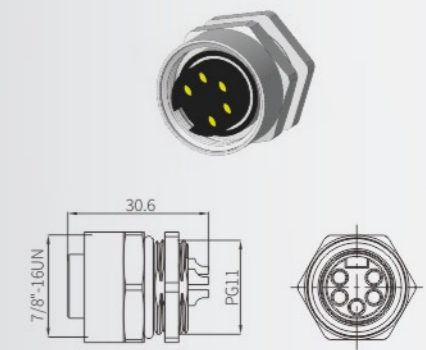
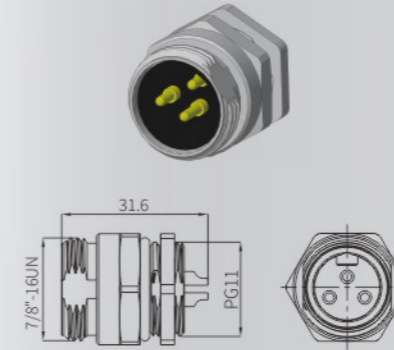
A07/8 - F XXXX - 14 XX - X 3N		
Sequence Number	Positions:3 to 5	Coding:A

Technical Parameters

Number of Positions	3	4	5
Rated voltage	300V	300V	
Rated current	12A	9A	
Rated surge voltage	4000V		
Coding	A		
Contact resistance	≤ 5 mΩ		
Insulation resistance	≥ 100MΩ		
Overvoltage category	III		
Degree of protection	IP67		
Insertion/withdrawal cycles	> 100		
Degree of pollution	3		
Ambient temperature	-25°C~105°C		
Contact carrier material	PUR/PA66		
Seal material	FKM		
Contact material	CuZn/CuSn		
Contact surface material	Au		
Shielded	No		
Tightening torque	0.5Nm		
Standards/specifications	-		

7/8-Male Rear-Mount Solder

7/8-Female Rear-Mount Solder



Part Number

A07/8 - M XXXX - 02 XX - X 3N		
Sequence Number	Positions:3 to 5	Coding:A

Part Number

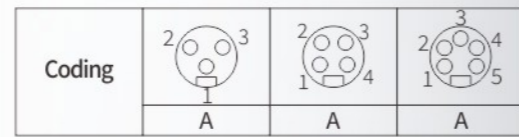
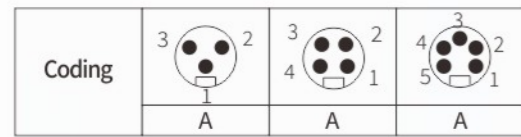
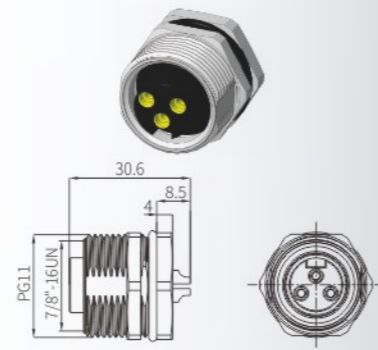
A07/8 - F XXXX - 02 XX - X 3N		
Sequence Number	Positions:3 to 5	Coding:A

Technical Parameters

Number of Positions	3	4	5
Rated voltage	300V	300V	
Rated current	12A	9A	
Rated surge voltage	4000V		
Coding	A		
Contact resistance	≤ 5 mΩ		
Insulation resistance	≥ 100MΩ		
Overvoltage category	III		
Degree of protection	IP67		
Insertion/withdrawal cycles	> 100		
Degree of pollution	3		
Ambient temperature	-25°C~105°C		
Contact carrier material	PUR/PA66		
Seal material	FKM		
Contact material	CuZn/CuSn		
Contact surface material	Au		
Shielded	No		
Tightening torque	0.5Nm		
Standards/specifications	-		

7/8-Male Front-Mount Solder

7/8-Female Front-Mount Solder



Part Number

Part Number

A07/8 - M XXXX - 02 XX - X 3N		
Sequence Number	Positions:3 to 5	Coding:A

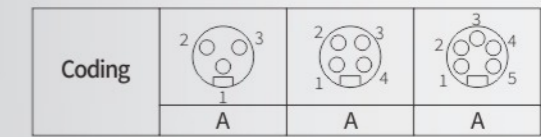
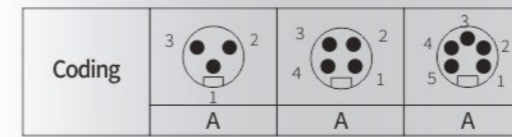
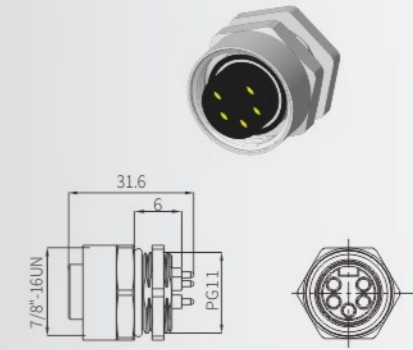
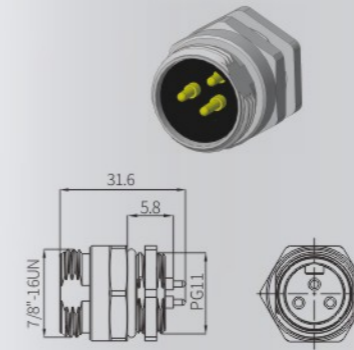
A07/8 - F XXXX - 02 XX - X 3N		
Sequence Number	Positions:3 to 5	Coding:A

Technical Parameters

Number of Positions	3	4	5
Rated voltage	300V	300V	
Rated current	12A	9A	
Rated surge voltage	4000V		
Coding	A		
Contact resistance	≤ 5 mΩ		
Insulation resistance	≥ 100MΩ		
Overtoltage category	III		
Degree of protection	IP67		
Insertion/withdrawal cycles	> 100		
Degree of pollution	3		
Ambient temperature	-25°C~105°C		
Contact carrier material	PUR/PA66		
Seal material	FKM		
Contact material	CuZn/CuSn		
Contact surface material	Au		
Shielded	No		
Tightening torque	0.5Nm		
Standards/specifications	-		

7/8-Male Rear-Mount PCB

7/8-Female Rear-Mount PCB



Part Number

Part Number

A07/8 - M XXXX - 02 XX - X 3N		
Sequence Number	Positions:3 to 5	Coding:A

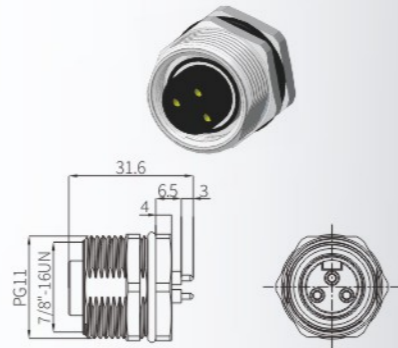
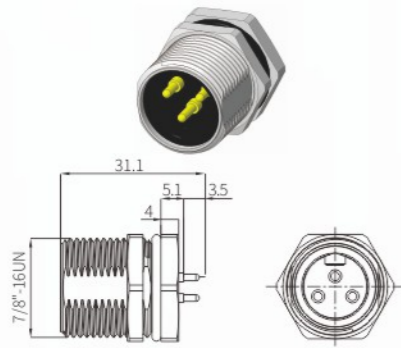
A07/8 - F XXXX - 02 XX - X 3N		
Sequence Number	Positions:3 to 5	Coding:A

Technical Parameters

Number of Positions	3	4	5
Rated voltage	300V	300V	
Rated current	12A	9A	
Rated surge voltage	4000V		
Coding	A		
Contact resistance	≤ 5 mΩ		
Insulation resistance	≥ 100MΩ		
Overtoltage category	III		
Degree of protection	IP67		
Insertion/withdrawal cycles	> 100		
Degree of pollution	3		
Ambient temperature	-25°C~105°C		
Contact carrier material	PUR/PA66		
Seal material	FKM		
Contact material	CuZn/CuSn		
Contact surface material	Au		
Shielded	No		
Tightening torque	0.5Nm		
Standards/specifications	-		

7/8-Male Front-Mount PCB

7/8-Female Front-Mount PCB



Coding			
	A	A	A

Coding			
	A	A	A

Part Number

A07/8 - M XXXX - 02 XX - X 3N		
Sequence Number	Positions:3 to 5	Coding:A

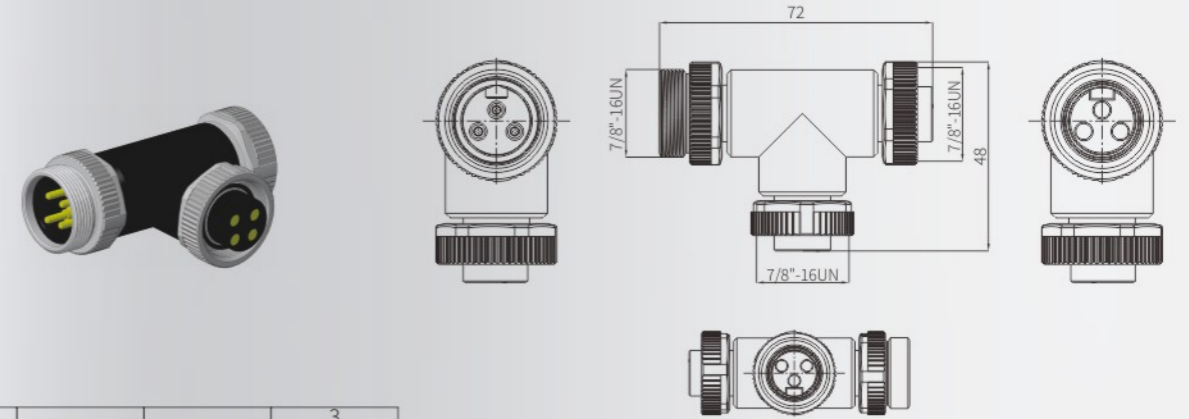
Part Number

A07/8 - F XXXX - 02 XX - X 3N		
Sequence Number	Positions:3 to 5	Coding:A

Technical Parameters

Number of Positions	3	4	5
Rated voltage	300V	300V	
Rated current	12A	9A	
Rated surge voltage	4000V		
Coding	A		
Contact resistance	≤ 5 mΩ		
Insulation resistance	≥ 100MΩ		
Overvoltage category	III		
Degree of protection	IP67		
Insertion/withdrawal cycles	> 100		
Degree of pollution	3		
Ambient temperature	-25°C~105°C		
Contact carrier material	PUR/PA66		
Seal material	FKM		
Contact material	CuZn/CuSn		
Contact surface material	Au		
Shielded	No		
Tightening torque	0.5Nm		
Standards/specifications	-		

7/8-Type T



Coding			
	A	A	A

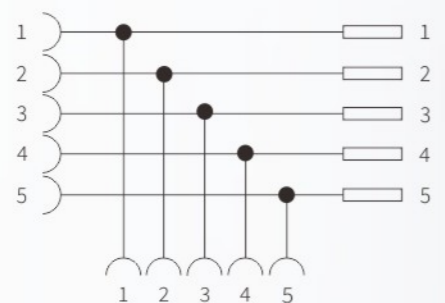
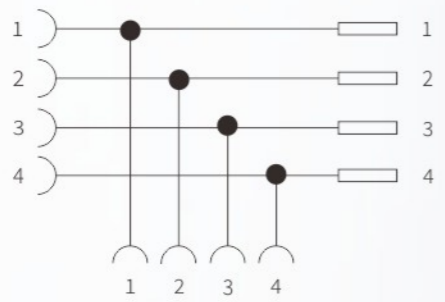
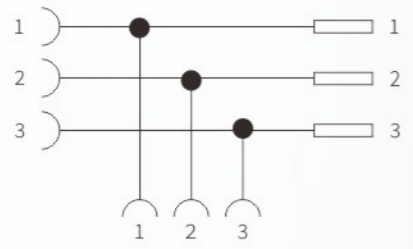
Part Number

A07/8 - M XXXX - 02 XX - X 3N		
Sequence Number	Positions:4 to 5	Coding:A

Technical Parameters

Number of Positions	
Rated voltage	300V
Rated current	8A
Rated surge voltage	4000V
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100MΩ
Overvoltage category	II
Degree of protection	IP67
Insertion/withdrawal cycles	> 100
Degree of pollution	3
Ambient temperature	-25°C~105°C
Contact carrier material	PUR/PA66
Seal material	FKM
Contact material	CuZn/CuSn
Contact surface material	Au
Shielded	No
Tightening torque	0.5Nm
Standards/specifications	-

7/8-Wiring Definition



7/8-Dust Cover



Part Number

A07/8 - X XXXX - 19 XX - X 0N

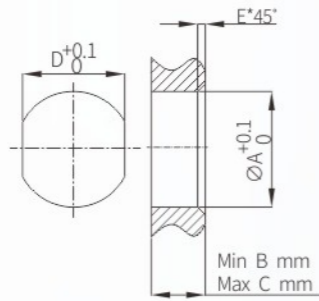
M=Male F=Female Sequence Number

Part Number

A07/8 - X XXXX - 19 XX - X 0N

M=Male F=Female Sequence Number

7/8-Panel Cutout



	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
Pg11	18.7	1	2.5	17	1.3
PG13.5	20.5	1	2.5	17.8	1.3
M20*1.5	20.1	1	2.5	18.8	1.3

7/8-Layout

Coding	Number of Positions	Male	Female
A	3		
	4		
	5		

M23-Layout

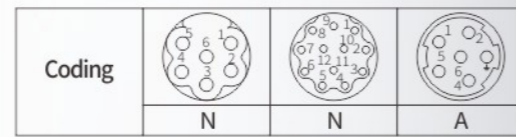
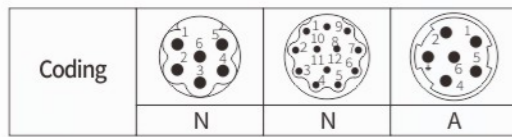
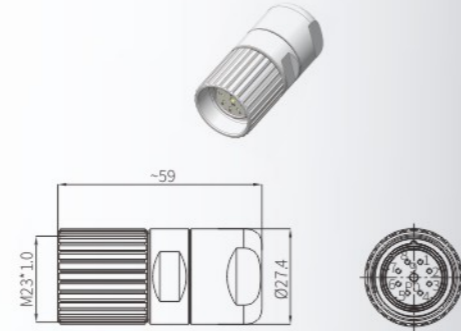
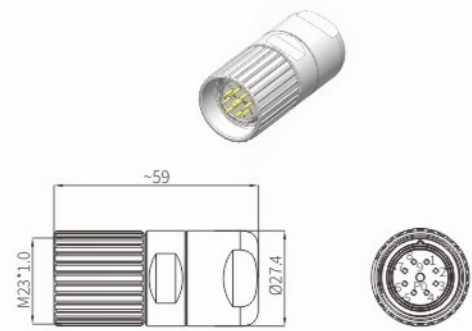
Coding	Number of Positions	Male	Female	AWG	mm ²
A	6			14	2.5
	7			14	2.5
	9			16	1.5
	9(8+1)			14/16	2.5/1.3
	12			18	0.75
	17			18	0.75

M23-Layout

Coding	Number of Positions	Male	Female	AWG	mm ²
N	19			18/16	0.75/1.3
A	6			14	2.5

M23-Male Assembly Crimp Internal Thread

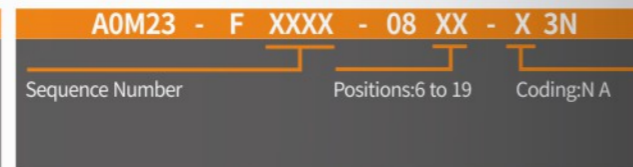
M23-Female Assembly Crimp Internal Thread



Part Number



Part Number

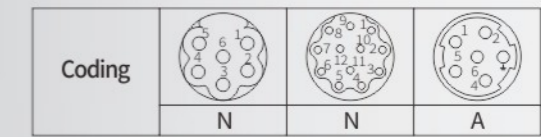
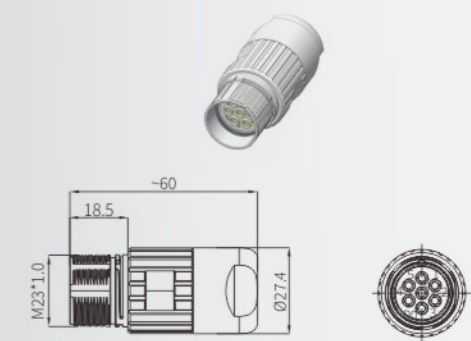
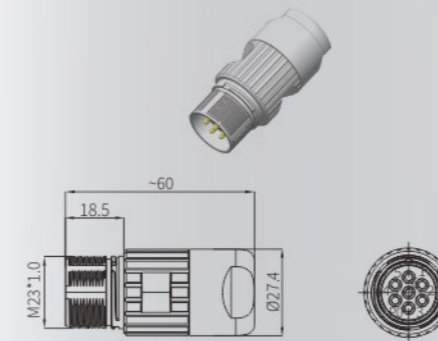


Technical Parameters

Number of Positions	6	7	9	12	17	19	6A(5+PE)
Rated voltage	300V			150V		125V	150V
Rated current	20A		20A/8A	8A			20A
Rated surge voltage	2500V			1500V		2000V	1500V
Coding	N						A
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overtoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~105°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuSn						
Contact surface material	Au						
Shielded	Yes						
Tightening torque	0.4Nm						
Standards/specifications	-						

M23-Male Assembly Crimp External Thread

M23-Female Assembly Crimp External Thread



Part Number



Part Number

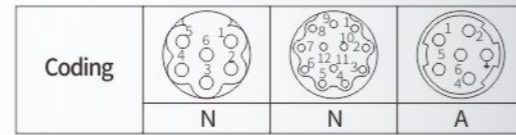
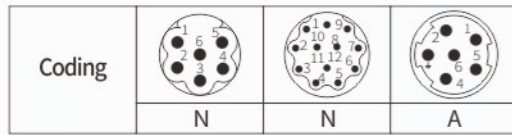
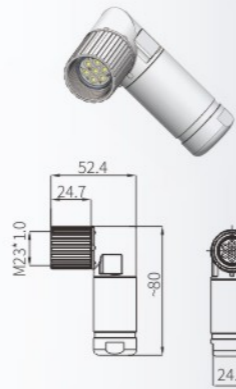
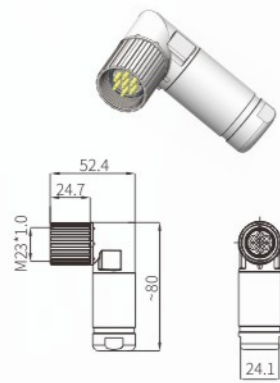


Technical Parameters

Number of Positions	6	7	9	12	17	19	6A(5+PE)
Rated voltage	300V			150V		125V	150V
Rated current	20A		20A/8A	8A			20A
Rated surge voltage	2500V			1500V		2000V	1500V
Coding	N						A
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overtoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~105°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuSn						
Contact surface material	Au						
Shielded	Yes						
Tightening torque	0.4Nm						
Standards/specifications	-						

M23-Male Assembly Crimp R/A Internal Thread

M23-Female Assembly Crimp R/A Internal Thread



Part Number

A0M23 - M XXXX - 29 XX - X 3N		
Sequence Number	Positions:6 to 19	Coding:N A

Part Number

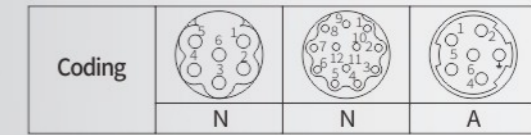
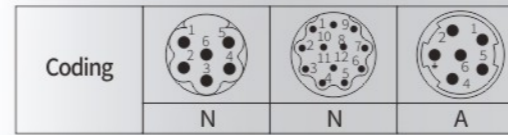
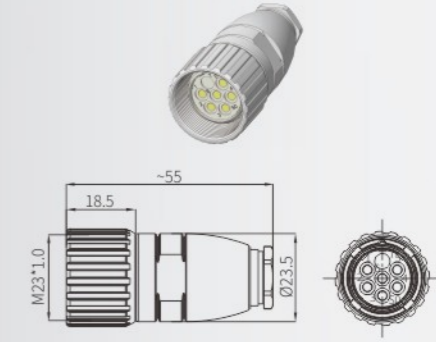
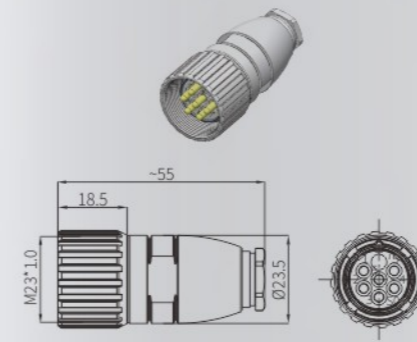
A0M23 - F XXXX - 29 XX - X 3N		
Sequence Number	Positions:6 to 19	Coding:N A

Technical Parameters

Number of Positions	6	7	9	12	17	19	6A(5+PE)
Rated voltage	300V			150V		125V	150V
Rated current	20A		20A/8A	8A			20A
Rated surge voltage	2500V			1500V		2000V	1500V
Coding	N						A
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overvoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~105°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuSn						
Contact surface material	Au						
Shielded	Yes						
Tightening torque	0.4Nm						
Standards/specifications	-						

M23-Male Assembly Solder

M23-Female Assembly Solder



Part Number

A0M23 - M XXXX - 34 XX - X 3N		
Sequence Number	Positions:6 to 19	Coding:N A

Part Number

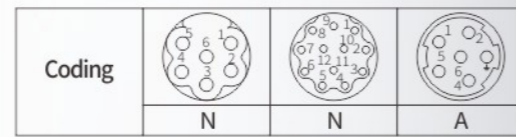
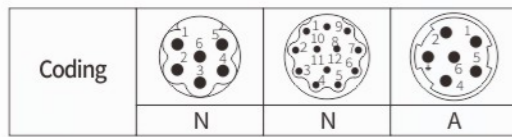
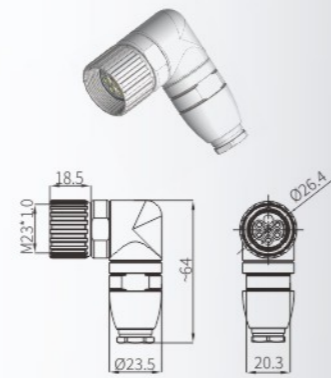
A0M23 - F XXXX - 34 XX - X 3N		
Sequence Number	Positions:6 to 19	Coding:N A

Technical Parameters

Number of Positions	6	7	9	12	17	19	6A(5+PE)
Rated voltage	300V			150V		125V	150V
Rated current	20A		20A/8A	8A			20A
Rated surge voltage	2500V			1500V		2000V	1500V
Coding	N						A
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overvoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~105°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuSn						
Contact surface material	Au						
Shielded	Yes						
Tightening torque	0.4Nm						
Standards/specifications	-						

M23-Male Assembly Solder R/A

M23-Female Assembly Solder R/A



Part Number

A0M23 - M XXXX - 35 XX - X 3N		
Sequence Number	Positions:6 to 19	Coding:N A

Part Number

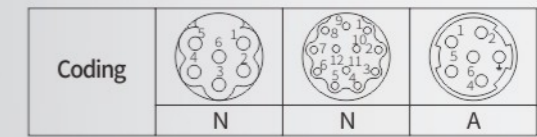
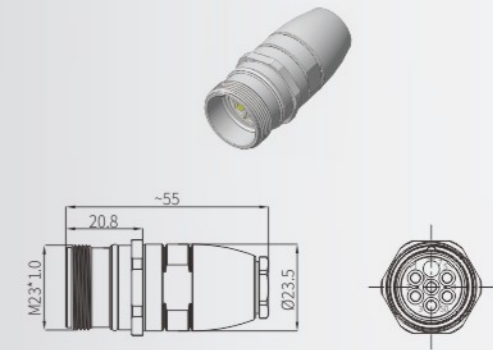
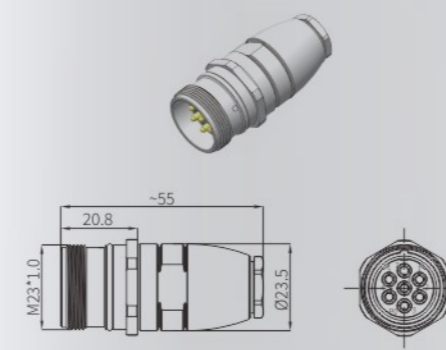
A0M23 - F XXXX - 35 XX - X 3N		
Sequence Number	Positions:6 to 19	Coding:N A

Technical Parameters

Number of Positions	6	7	9	12	17	19	6A(5+PE)
Rated voltage	300V			150V		125V	150V
Rated current	20A		20A/8A		8A		20A
Rated surge voltage	2500V			1500V		2000V	1500V
Coding	N						A
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overtoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~105°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuSn						
Contact surface material	Au						
Shielded	Yes						
Tightening torque	0.4Nm						
Standards/specifications	-						

M23-Male Through Wall

M23-Female Through Wall



Part Number

A0M23 - M XXXX - 36 XX - X 3N		
Sequence Number	Positions:6 to 19	Coding:N A

Part Number

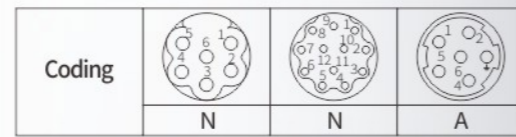
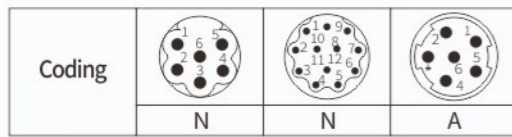
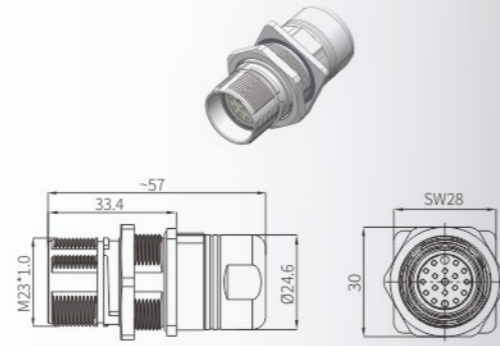
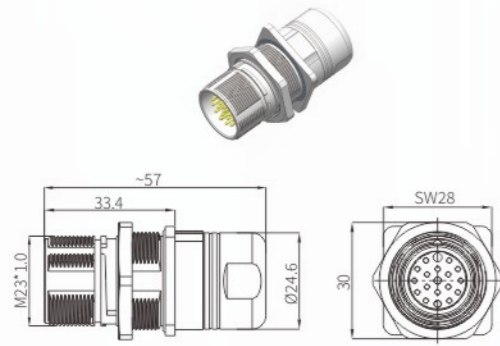
A0M23 - F XXXX - 36 XX - X 3N		
Sequence Number	Positions:6 to 19	Coding:N A

Technical Parameters

Number of Positions	6	7	9	12	17	19	6A(5+PE)
Rated voltage	300V			150V		125V	150V
Rated current	20A		20A/8A		8A		20A
Rated surge voltage	2500V			1500V		2000V	1500V
Coding	N						A
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overtoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~105°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuSn						
Contact surface material	Au						
Shielded	Yes						
Tightening torque	0.4Nm						
Standards/specifications	-						

M23-Male Square Through Wall Socket

M23-Female Square Through Wall Socket



Part Number

A0M23 - M XXXX - 37 XX - X 3N		
Sequence Number	Positions:6 to 19	Coding:N A

Part Number

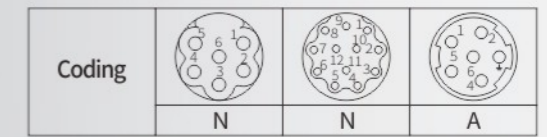
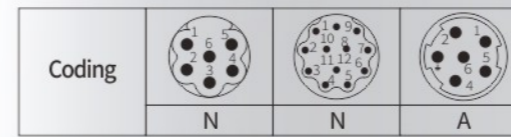
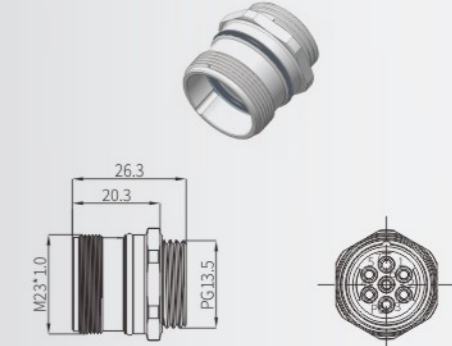
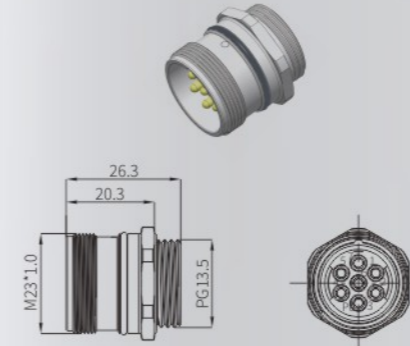
A0M23 - F XXXX - 37 XX - X 3N		
Sequence Number	Positions:6 to 19	Coding:N A

Technical Parameters

Number of Positions	6	7	9	12	17	19	6A(5+PE)
Rated voltage	300V			150V		125V	150V
Rated current	20A		20A/8A	8A			20A
Rated surge voltage	2500V			1500V		2000V	1500V
Coding	N						A
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overtoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~105°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuSn						
Contact surface material	Au						
Shielded	Yes						
Tightening torque	0.4Nm						
Standards/specifications	-						

M23-Male Threaded Locking

M23-Female Threaded Locking



Part Number

A0M23 - M XXXX - 02 XX - X 3N		
Sequence Number	Positions:6 to 19	Coding:N A

Part Number

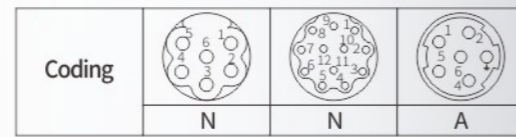
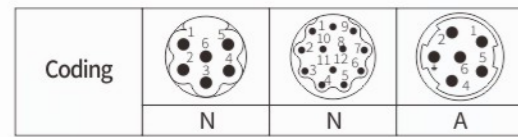
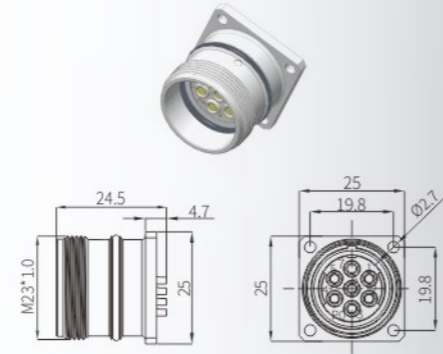
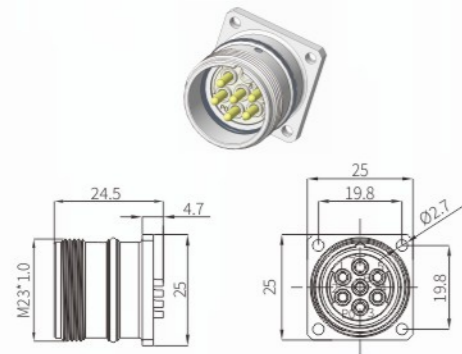
A0M23 - F XXXX - 02 XX - X 3N		
Sequence Number	Positions:6 to 19	Coding:N A

Technical Parameters

Number of Positions	6	7	9	12	17	19	6A(5+PE)
Rated voltage	300V			150V		125V	150V
Rated current	20A		20A/8A	8A			20A
Rated surge voltage	2500V			1500V		2000V	1500V
Coding	N						A
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overtoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~105°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuSn						
Contact surface material	Au						
Shielded	Yes						
Tightening torque	0.4Nm						
Standards/specifications	-						

M23-Male Square Solder

M23-Female Square Solder



Part Number

A0M23 - M XXXX - 27 XX - X 3N		
Sequence Number	Positions:6 to 19	Coding:N A

Part Number

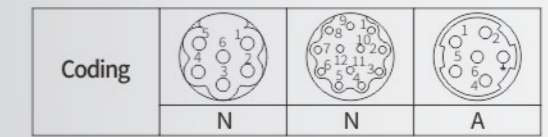
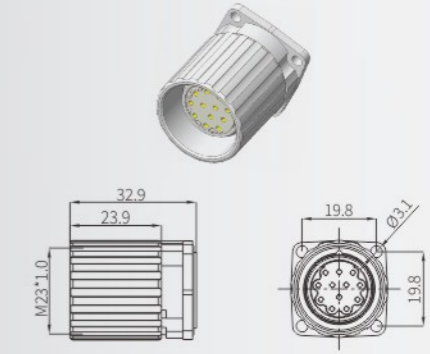
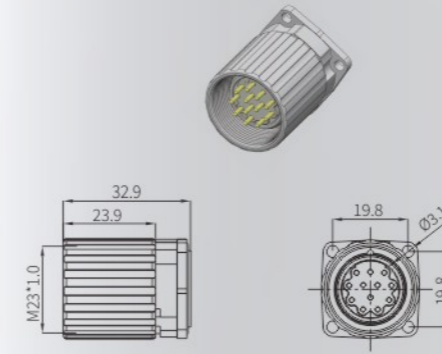
A0M23 - F XXXX - 27 XX - X 3N		
Sequence Number	Positions:6 to 19	Coding:N A

Technical Parameters

Number of Positions	6	7	9	12	17	19	6A(5+PE)
Rated voltage	300V			150V		125V	150V
Rated current	20A		20A/8A		8A		20A
Rated surge voltage	2500V			1500V		2000V	1500V
Coding	N						A
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overtoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~105°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuSn						
Contact surface material	Au						
Shielded	Yes						
Tightening torque	0.4Nm						
Standards/specifications	-						

M23-Male Square Crimping

M23-Female Square Crimping



Part Number

A0M23 - M XXXX - 27 XX - X 3N		
Sequence Number	Positions:6 to 19	Coding:N A

Part Number

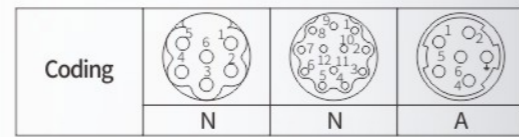
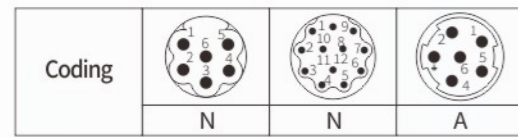
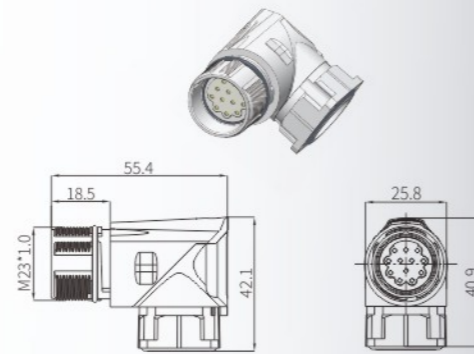
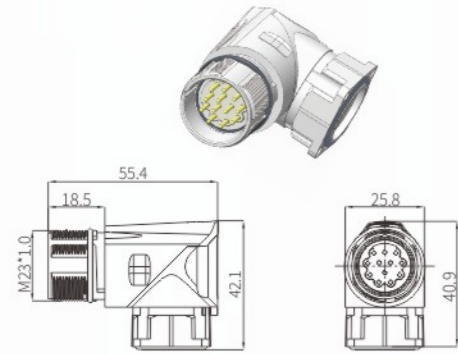
A0M23 - F XXXX - 27 XX - X 3N		
Sequence Number	Positions:6 to 19	Coding:N A

Technical Parameters

Number of Positions	6	7	9	12	17	19	6A(5+PE)
Rated voltage	300V			150V		125V	150V
Rated current	20A		20A/8A		8A		20A
Rated surge voltage	2500V			1500V		2000V	1500V
Coding	N						A
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overtoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~105°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuSn						
Contact surface material	Au						
Shielded	Yes						
Tightening torque	0.4Nm						
Standards/specifications	-						

M23-Male Rotating Elbow

M23-Female Rotating Elbow



Part Number

A0M23 - M XXXX - 39 XX - X 3N

Sequence Number Positions:6 to 19 Coding:N A

Part Number

A0M23 - F XXXX - 39 XX - X 3N

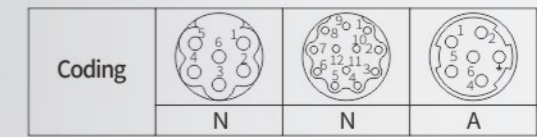
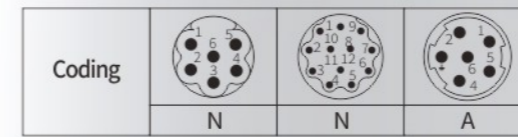
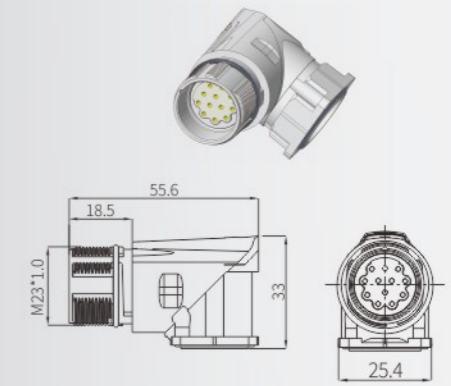
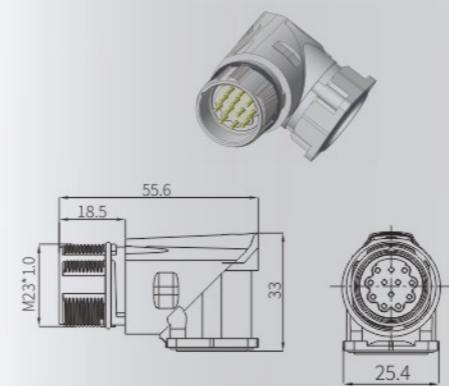
Sequence Number Positions:6 to 19 Coding:N A

Technical Parameters

Number of Positions	6	7	9	12	17	19	6A(5+PE)
Rated voltage	300V			150V		125V	150V
Rated current	20A		20A/8A		8A		20A
Rated surge voltage	2500V			1500V		2000V	1500V
Coding	N						A
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overtoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~105°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuSn						
Contact surface material	Au						
Shielded	Yes						
Tightening torque	0.4Nm						
Standards/specifications	-						

M23-Male Non-Rotating Elbow

M23-Female Non-Rotating Elbow



Part Number

A0M23 - M XXXX - 38 XX - X 3N

Sequence Number Positions:6 to 19 Coding:N A

Part Number

A0M23 - F XXXX - 38 XX - X 3N

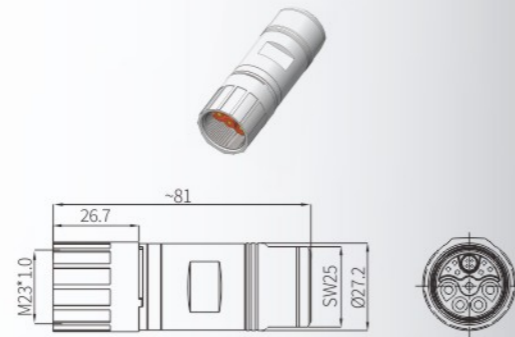
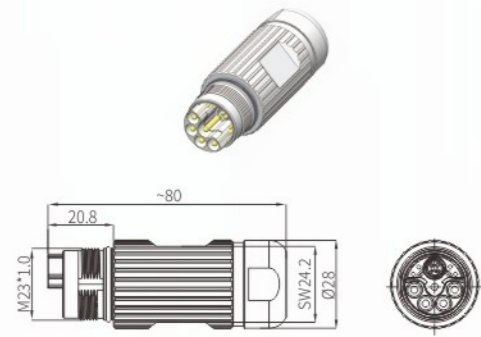
Sequence Number Positions:6 to 19 Coding:N A

Technical Parameters

Number of Positions	6	7	9	12	17	19	6A(5+PE)
Rated voltage	300V			150V		125V	150V
Rated current	20A		20A/8A		8A		20A
Rated surge voltage	2500V			1500V		2000V	1500V
Coding	N						A
Contact resistance	≤ 3 mΩ						
Insulation resistance	≥ 100MΩ						
Overtoltage category	II						
Degree of protection	IP67						
Insertion/withdrawal cycles	> 100						
Degree of pollution	3						
Ambient temperature	-40°C~105°C						
Contact carrier material	PA66						
Seal material	FKM						
Contact material	CuSn						
Contact surface material	Au						
Shielded	Yes						
Tightening torque	0.4Nm						
Standards/specifications	-						

M23-Male Assembly Crimping

M23-Female Assembly Crimping



Part Number

A0M23 - M XXXX - 08 XX - 0 3N

Sequence Number Positions:7 to 11

Part Number

A0M23 - F XXXX - 08 XX - 0 3N

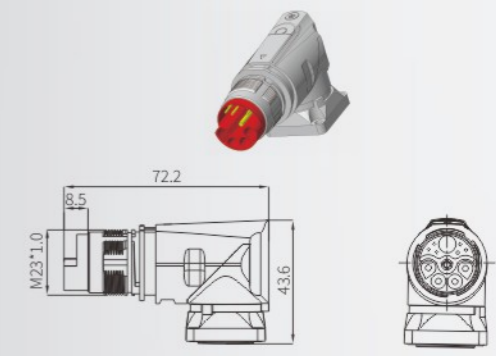
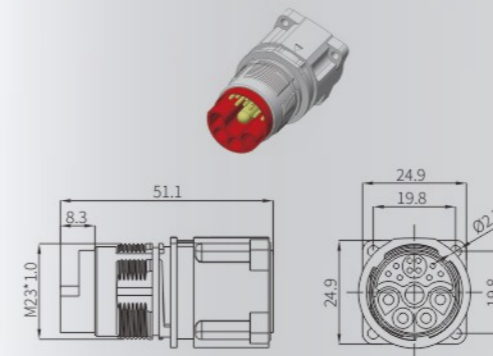
Sequence Number Positions:7 to 11

Technical Parameters

Number of Positions	7	10	11
Rated voltage		630V/30V	
Rated current	30A/1.2A	25A/1.2A	30A/1.2A
Rated surge voltage		6000V/1500V	
Coding		0	
Contact resistance		≤ 3 mΩ	
Insulation resistance		≥ 100MΩ	
Overvoltage category		III	
Degree of protection		IP67	
Insertion/withdrawal cycles		> 100	
Degree of pollution		3	
Ambient temperature		-40°C~105°C	
Contact carrier material		PA66	
Seal material		FKM	
Contact material		CuSn	
Contact surface material		Au	
Shielded		Yes	
Tightening torque		0.4Nm	
Standards/specifications		-	

M23-Male Mixed Mount Square

M23-Female Mixed Mount Bent



Part Number

A0M23 - M XXXX - 27 XX - 0 3N

Sequence Number Positions:7 to 11

Part Number

A0M23 - F XXXX - 38 XX - 0 3N

Sequence Number Positions:7 to 11

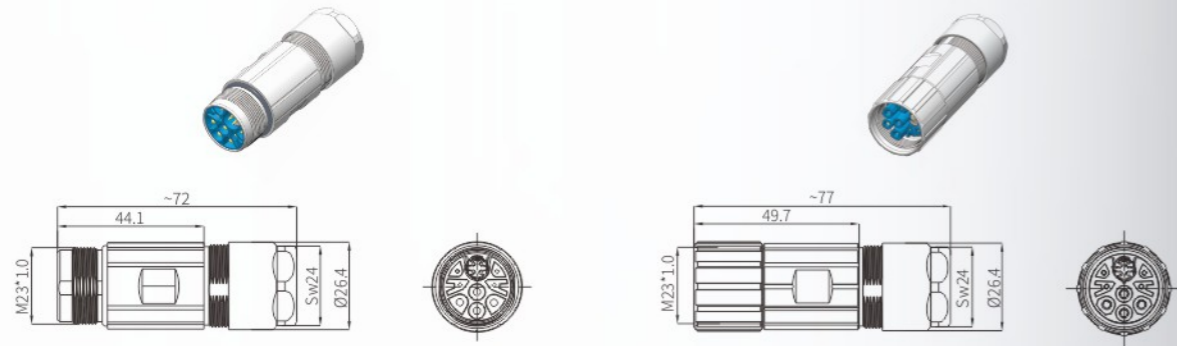
Technical Parameters

Number of Positions	7	10	11
Rated voltage		630V/30V	
Rated current	30A/1.2A	25A/1.2A	30A/1.2A
Rated surge voltage		6000V/1500V	
Coding		0	
Contact resistance		≤ 3 mΩ	
Insulation resistance		≥ 100MΩ	
Overvoltage category		III	
Degree of protection		IP67	
Insertion/withdrawal cycles		> 100	
Degree of pollution		3	
Ambient temperature		-40°C~105°C	
Contact carrier material		PA66	
Seal material		FKM	
Contact material		CuSn	
Contact surface material		Au	
Shielded		Yes	
Tightening torque		0.4Nm	
Standards/specifications		-	

M23-Male Mixed Mount Crimping

M23-Female Mixed Mount Crimping

M23-Dust Cover



Part Number

A0M23 - M XXXX - 08 XX - 0 3N

Sequence Number Positions:11

Part Number

A0M23 - F XXXX - 08 XX - 0 3N

Sequence Number Positions:11

Technical Parameters

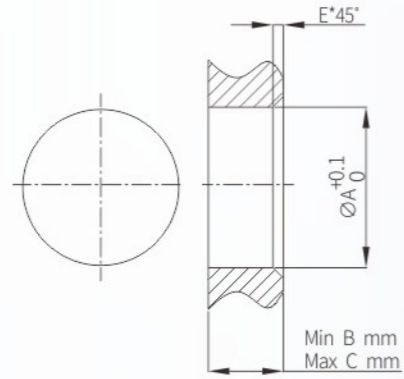
Number of Positions	11(4+4+3)
Rated voltage	600V/300V/60V
Rated current	28A/8A/2A
Rated surge voltage	4000V/2500V/500V
Coding	0
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100MΩ
Overvoltage category	III
Degree of protection	IP67
Insertion/withdrawal cycles	> 100
Degree of pollution	3
Ambient temperature	-40°C~105°C
Contact carrier material	PA66
Seal material	FKM
Contact material	CuSn
Contact surface material	Au
Shielded	Yes
Tightening torque	0.4Nm
Standards/specifications	-



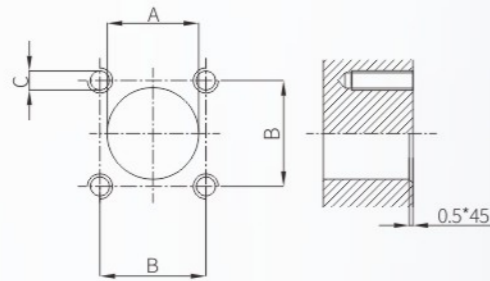
A0M23 - X XXXX - 19 XX - X 0N

M=Male F=Female Sequence Number

M23-Panel Cutout



	A(mm)	B(mm)	C(mm)
M25*1.5	25.2	1	10



	A(mm)	B(mm)	C(mm)	Torsion
I	20	22.6	M2.5(4X)	1.5 Nm
II	20	19.8	M2.5(4X)	1.5 Nm

M23-Layout

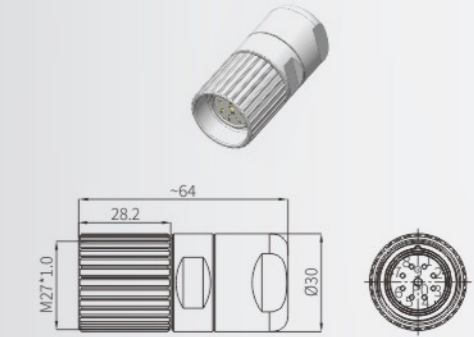
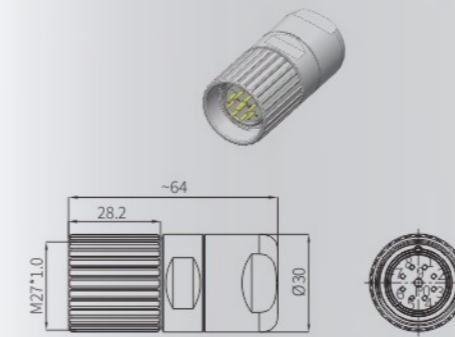
Coding	Pins	Male	Female
N	6		
	7		
	9/8+1		
	12		
	16		
	19		

M27-Layout

Coding	Number of Positions	Male	Female	AWG	mm ²
N	26			20	1
	28			20	1

M27-Male Assembly Crimp Internal Thread

M27-Female Assembly Crimp Internal Thread



Part Number

A0M27 - M XXXX - 08 XX - X 3N

Sequence Number Positions:26 to 28 Coding:N

Part Number

A0M27 - F XXXX - 08 XX - X 3N

Sequence Number Positions:26 to 28 Coding:N

Technical Parameters

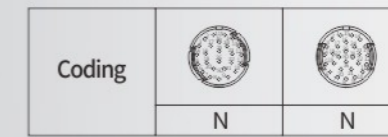
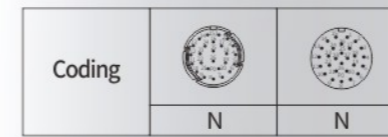
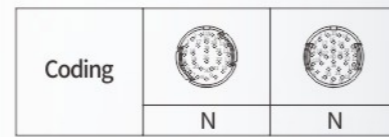
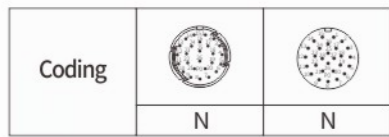
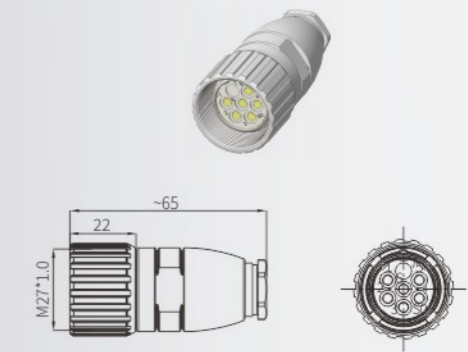
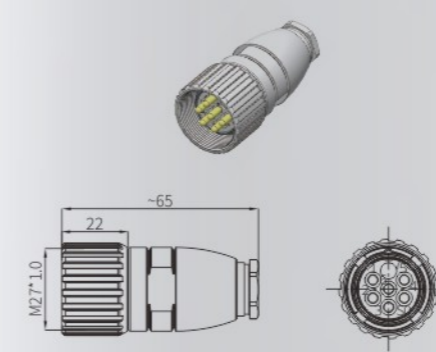
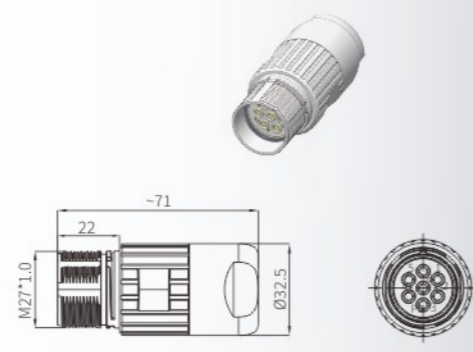
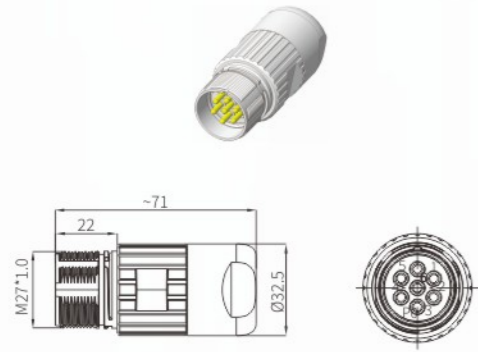
Number of Positions	26	28
Rated voltage	48V	
Rated current	8A	
Rated surge voltage	1500V	
Coding	N	
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overtoltage category	III	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-40°C~105°C	
Contact carrier material	PA66	
Seal material	FPM	
Contact material	CuSn	
Contact surface material	Au	
Shielded	Yes	
Tightening torque	0.4Nm	
Standards/specifications	-	

M27-Male Assembly Crimp External Thread

M27-Female Assembly Crimp External Thread

M27-Male Assembly Solder

M27-Female Assembly Solder



Part Number

Part Number

Part Number

Part Number

A0M27 - M XXXX - 08 XX - X 3N			A0M27 - F XXXX - 08 XX - X 3N		
Sequence Number	Positions:26 to 28	Coding:N	Sequence Number	Positions:26 to 28	Coding:N

A0M27 - M XXXX - 34 XX - X 3N			A0M27 - F XXXX - 34 XX - X 3N		
Sequence Number	Positions:26 to 28	Coding:N	Sequence Number	Positions:26 to 28	Coding:N

Technical Parameters

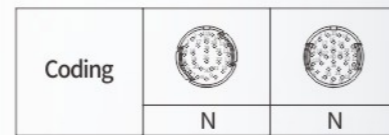
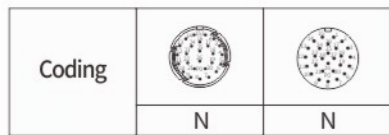
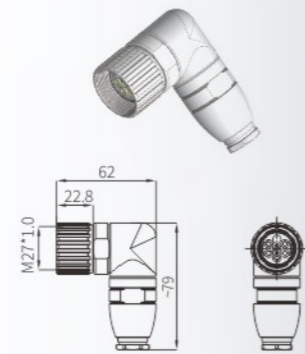
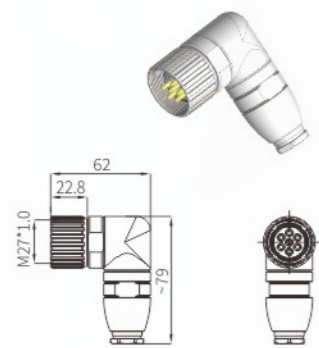
Number of Positions	26	28
Rated voltage	48V	
Rated current	8A	
Rated surge voltage	1500V	
Coding	N	
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overvoltage category	III	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-40°C~105°C	
Contact carrier material	PA66	
Seal material	FPM	
Contact material	CuSn	
Contact surface material	Au	
Shielded	Yes	
Tightening torque	0.4Nm	
Standards/specifications	-	

Technical Parameters

Number of Positions	26	28
Rated voltage	48V	
Rated current	8A	
Rated surge voltage	1500V	
Coding	N	
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overvoltage category	III	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-40°C~105°C	
Contact carrier material	PA66	
Seal material	FPM	
Contact material	CuSn	
Contact surface material	Au	
Shielded	Yes	
Tightening torque	0.4Nm	
Standards/specifications	-	

M27-Male Assembly Crimp R/A Internal Thread

M27-Female Assembly Crimp R/A Internal Thread



Part Number

A0M27 - M XXXX - 35 XX - X 3N		
Sequence Number	Positions:26 to 28	Coding:N

Part Number

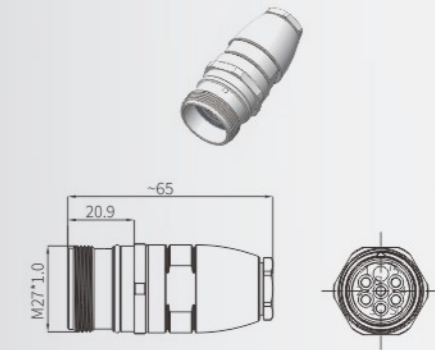
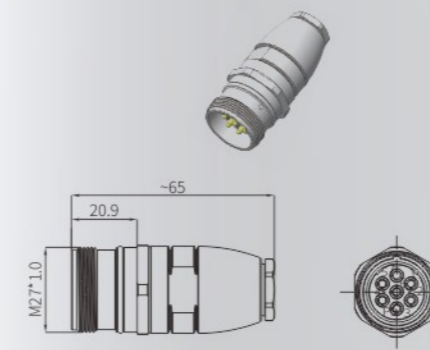
A0M27 - F XXXX - 35 XX - X 3N		
Sequence Number	Positions:26 to 28	Coding:N

Technical Parameters

Number of Positions	26	28
Rated voltage	48V	
Rated current	8A	
Rated surge voltage	1500V	
Coding	N	
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overvoltage category	III	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-40°C~105°C	
Contact carrier material	PA66	
Seal material	FPM	
Contact material	CuSn	
Contact surface material	Au	
Shielded	Yes	
Tightening torque	0.4Nm	
Standards/specifications	-	

M27-Male Through Wall

M27-Female Through Wall



Part Number

A0M27 - M XXXX - 36 XX - X 3N		
Sequence Number	Positions:26 to 28	Coding:N

Part Number

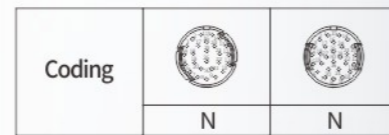
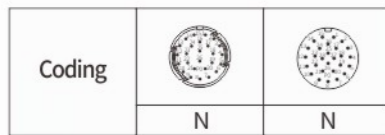
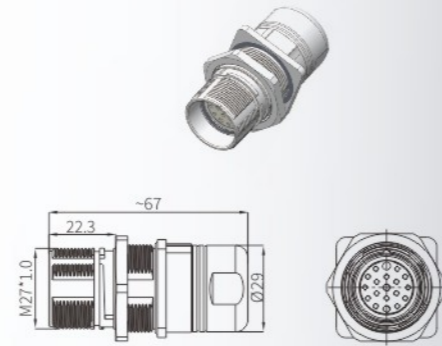
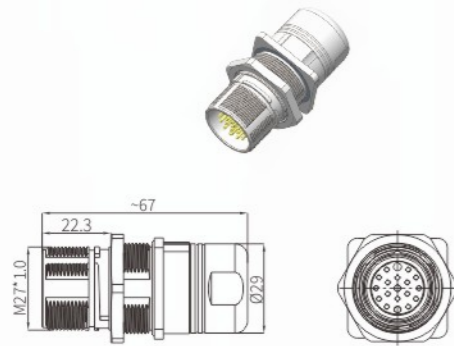
A0M27 - F XXXX - 36 XX - X 3N		
Sequence Number	Positions:26 to 28	Coding:N

Technical Parameters

Number of Positions	26	28
Rated voltage	48V	
Rated current	8A	
Rated surge voltage	1500V	
Coding	N	
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overvoltage category	III	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-40°C~105°C	
Contact carrier material	PA66	
Seal material	FPM	
Contact material	CuSn	
Contact surface material	Au	
Shielded	Yes	
Tightening torque	0.4Nm	
Standards/specifications	-	

M27-Male Square Through Wall Socket

M27-Female Square Through Wall Socket



Part Number

A0M27 - M XXXX - 37 XX - X 3N

Sequence Number Positions:26 to 28 Coding:N

Part Number

A0M27 - F XXXX - 37 XX - X 3N

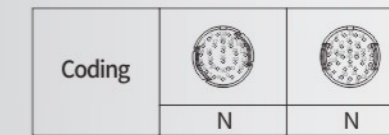
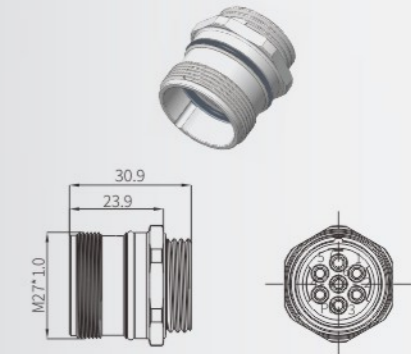
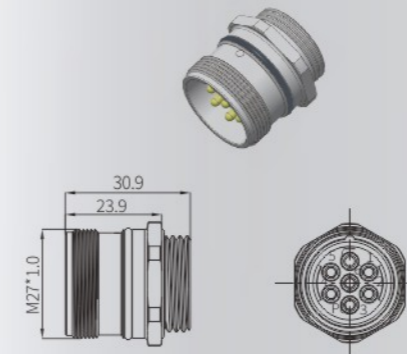
Sequence Number Positions:26 to 28 Coding:N

Technical Parameters

Number of Positions	26	28
Rated voltage	48V	
Rated current	8A	
Rated surge voltage	1500V	
Coding	N	
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overvoltage category	III	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-40°C~105°C	
Contact carrier material	PA66	
Seal material	FPM	
Contact material	CuSn	
Contact surface material	Au	
Shielded	Yes	
Tightening torque	0.4Nm	
Standards/specifications	-	

M27-Male Threaded Locking

M27-Female Threaded Locking



Part Number

A0M27 - M XXXX - 02 XX - X 3N

Sequence Number Positions:26 to 28 Coding:N

Part Number

A0M27 - F XXXX - 02 XX - X 3N

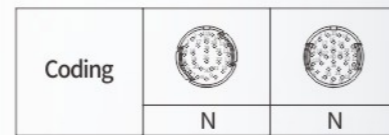
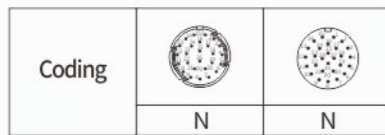
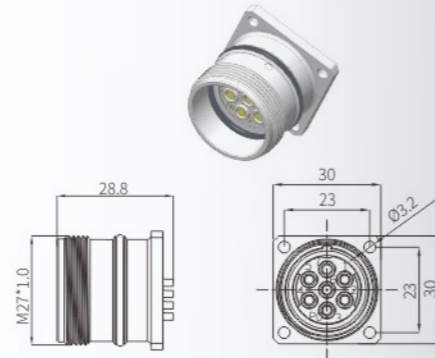
Sequence Number Positions:26 to 28 Coding:N

Technical Parameters

Number of Positions	26	28
Rated voltage	48V	
Rated current	8A	
Rated surge voltage	1500V	
Coding	N	
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overvoltage category	III	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-40°C~105°C	
Contact carrier material	PA66	
Seal material	FPM	
Contact material	CuSn	
Contact surface material	Au	
Shielded	No	
Tightening torque	0.4Nm	
Standards/specifications	-	

M27-Male Square Solder

M27-Female Square Solder



Part Number

Part Number

A0M27 - M XXXX - 27 XX - X 3N		
Sequence Number	Positions:26 to 28	Coding:N

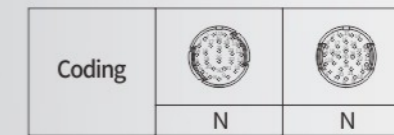
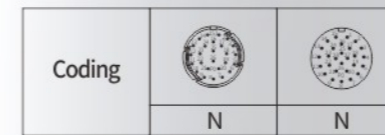
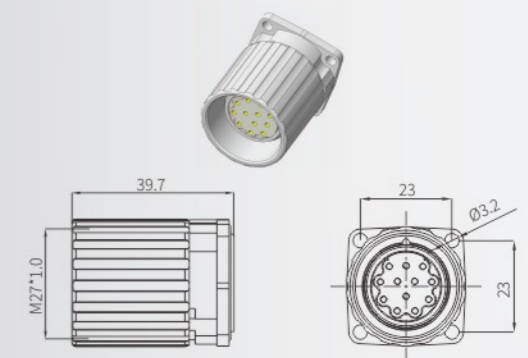
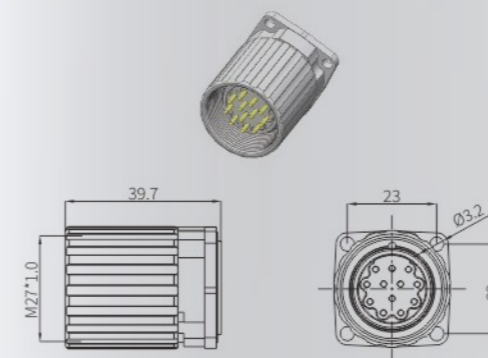
A0M27 - F XXXX - 27 XX - X 3N		
Sequence Number	Positions:26 to 28	Coding:N

Technical Parameters

Number of Positions	26	28
Rated voltage	48V	
Rated current	8A	
Rated surge voltage	1500V	
Coding	N	
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overvoltage category	III	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-40°C~105°C	
Contact carrier material	PA66	
Seal material	FPM	
Contact material	CuSn	
Contact surface material	Au	
Shielded	Yes	
Tightening torque	0.4Nm	
Standards/specifications	-	

M27-Male Square Crimping

M27-Female Square Crimping



Part Number

Part Number

A0M27 - M XXXX - 27 XX - X 3N		
Sequence Number	Positions:26 to 28	Coding:N

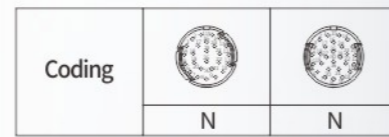
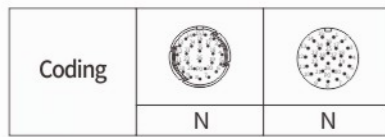
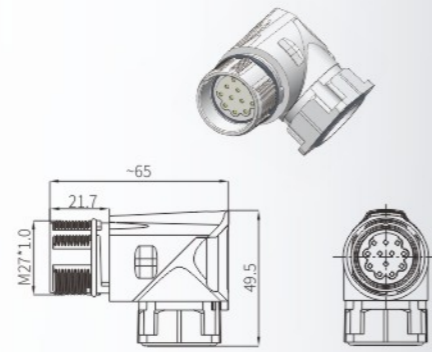
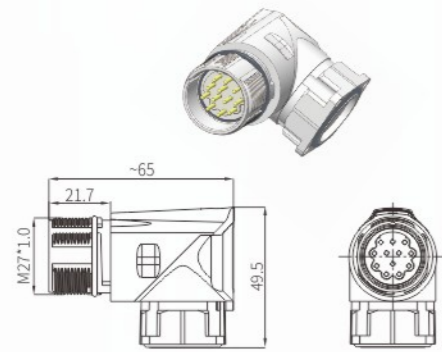
A0M27 - F XXXX - 27 XX - X 3N		
Sequence Number	Positions:26 to 28	Coding:N

Technical Parameters

Number of Positions	26	28
Rated voltage	48V	
Rated current	8A	
Rated surge voltage	1500V	
Coding	N	
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overvoltage category	III	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-40°C~105°C	
Contact carrier material	PA66	
Seal material	FPM	
Contact material	CuSn	
Contact surface material	Au	
Shielded	No	
Tightening torque	0.4Nm	
Standards/specifications	-	

M27-Male Rotating Elbow

M27-Female Rotating Elbow



Part Number

A0M27 - M XXXX - 39 XX - X 3N		
Sequence Number	Positions:26 to 28	Coding:N

Part Number

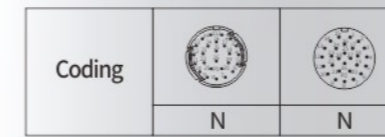
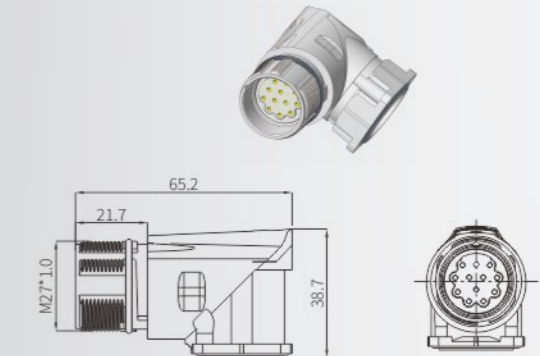
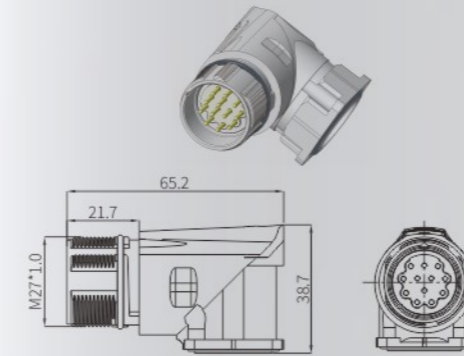
A0M27 - F XXXX - 39 XX - X 3N		
Sequence Number	Positions:26 to 28	Coding:N

Technical Parameters

Number of Positions	26	28
Rated voltage	48V	
Rated current	8A	
Rated surge voltage	1500V	
Coding	N	
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overvoltage category	III	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-40°C~105°C	
Contact carrier material	PA66	
Seal material	FPM	
Contact material	CuSn	
Contact surface material	Au	
Shielded	Yes	
Tightening torque	0.4Nm	
Standards/specifications	-	

M27-Male Non-Rotating Elbow

M27-Female Non-Rotating Elbow



Part Number

A0M27 - M XXXX - 38 XX - X 3N		
Sequence Number	Positions:26 to 28	Coding:N

Part Number

A0M27 - F XXXX - 38 XX - X 3N		
Sequence Number	Positions:26 to 28	Coding:N

Technical Parameters

Number of Positions	26	28
Rated voltage	48V	
Rated current	8A	
Rated surge voltage	1500V	
Coding	N	
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overvoltage category	III	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-40°C~105°C	
Contact carrier material	PA66	
Seal material	FPM	
Contact material	CuSn	
Contact surface material	Au	
Shielded	No	
Tightening torque	0.4Nm	
Standards/specifications	-	

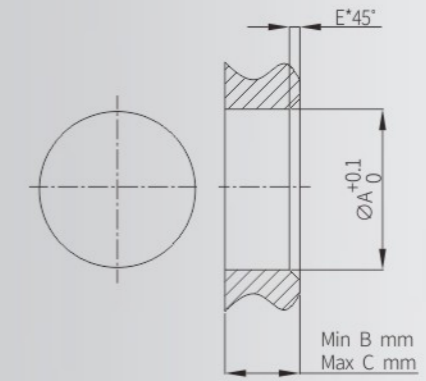
M27-Dust Cover



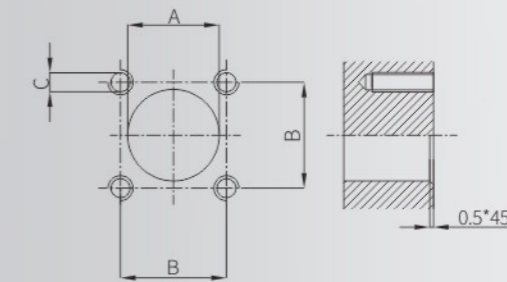
A0M27 - X XXXX - 19 XX - X ON

M=Male F=Female Sequence Number

M27-Panel Cutout



	A(mm)	B(mm)	C(mm)
M27*1.0	27.2	1	10
Pg21	28.5	1	5.5



	A(mm)	B(mm)	C(mm)	Torsion
I	23	23	M3(4X)	1.5 Nm

M27-Layout

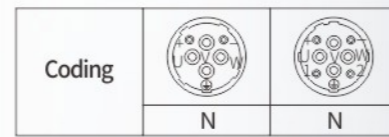
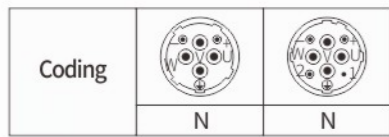
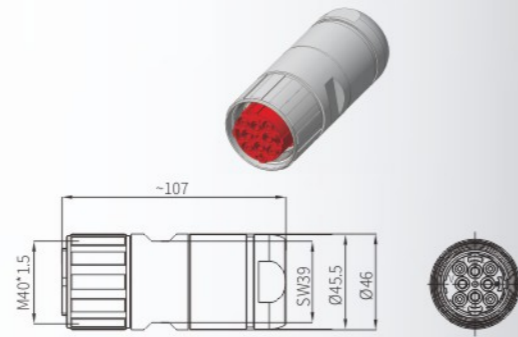
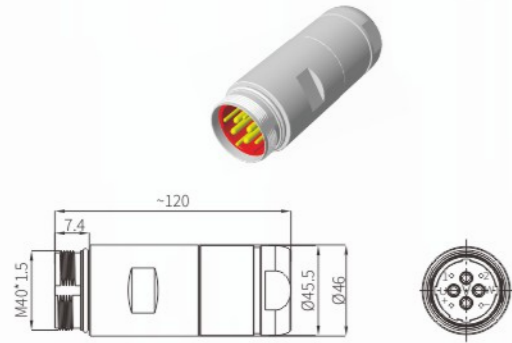
Coding	Pins	Male	Female
N	26		
	28		

M40-Layout

Coding	Number of Positions	Male	Female	AWG	mm ²
A	6			16/10	1.3/6
	8			16/10	1.3/6
	13(4+4+4+PE)			16/10	1.3/6

M40-Male Assembly Crimping

M40-Female Assembly Crimping



Part Number

A0M40 - M XXXX - 08 XX - X 3N		
Sequence Number	Positions:6 to 8	Coding:N

Part Number

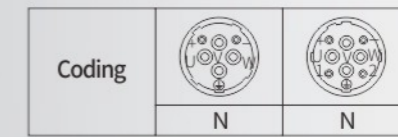
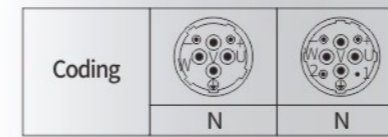
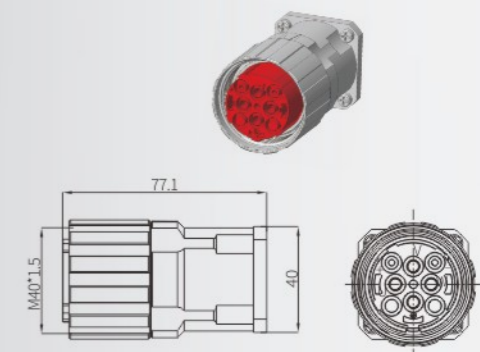
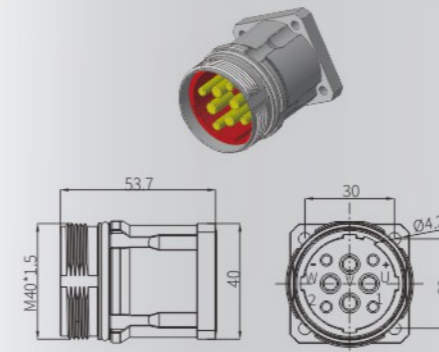
A0M40 - F XXXX - 08 XX - X 3N		
Sequence Number	Positions:6 to 8	Coding:N

Technical Parameters

Number of Positions	6	8
Rated voltage	630V/250V	
Rated current	70A/30A	
Rated surge voltage	6000V/4000V	
Coding	N	
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overtoltage category	III	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-40°C~125°C	
Contact carrier material	PA66	
Seal material	FKM	
Contact material	CuSn	
Contact surface material	Au	
Shielded	Yes	
Tightening torque	0.5Nm	
Standards/specifications	-	

M40-Male Square Crimping

M40-Female Square Crimping



Part Number

A0M40 - M XXXX - 27 XX - X 3N		
Sequence Number	Positions:6 to 8	Coding:N

Part Number

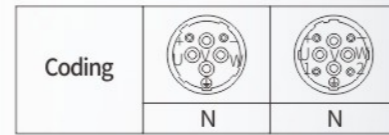
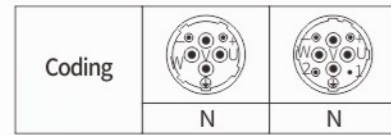
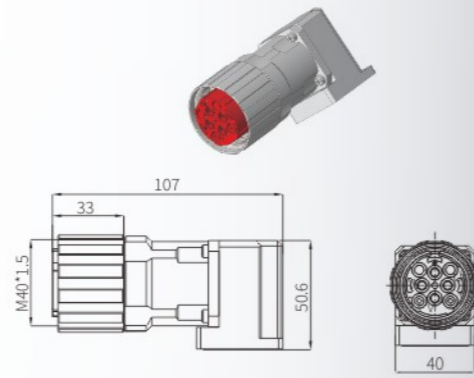
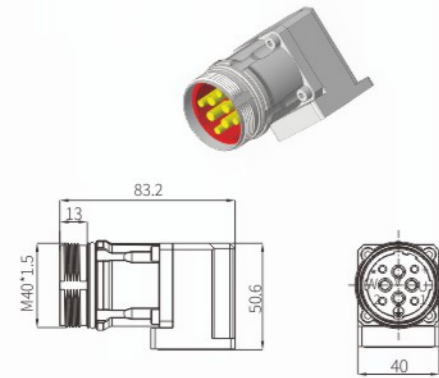
A0M40 - F XXXX - 27 XX - X 3N		
Sequence Number	Positions:6 to 8	Coding:N

Technical Parameters

Number of Positions	6	8
Rated voltage	630V/250V	
Rated current	70A/30A	
Rated surge voltage	6000V/4000V	
Coding	N	
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overtoltage category	III	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-40°C~125°C	
Contact carrier material	PA66	
Seal material	FKM	
Contact material	CuSn	
Contact surface material	Au	
Shielded	Yes	
Tightening torque	0.5Nm	
Standards/specifications	-	

M40-Male Square Crimping R/A

M40-Female Square Crimping R/A



Part Number

A0M40 - M XXXX - 38 XX - X 3N		
Sequence Number	Positions:6 to 8	Coding:N

Part Number

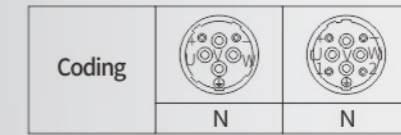
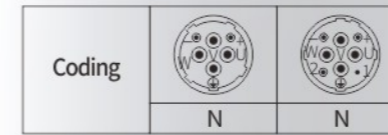
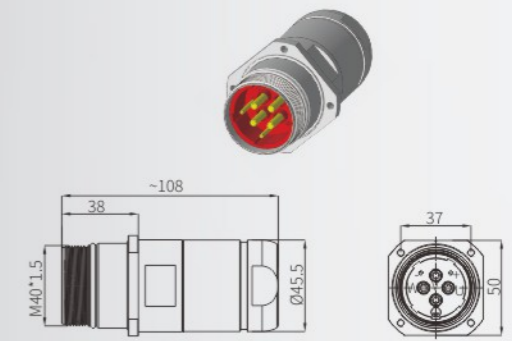
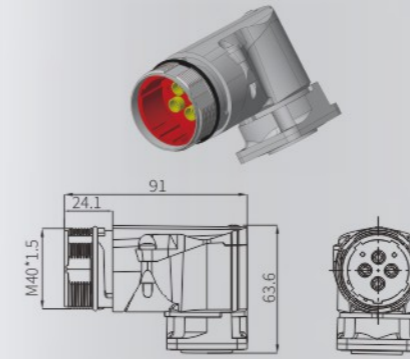
A0M40 - F XXXX - 38 XX - X 3N		
Sequence Number	Positions:6 to 8	Coding:N

Technical Parameters

Number of Positions	6	8
Rated voltage	630V/250V	
Rated current	70A/30A	
Rated surge voltage	6000V/4000V	
Coding	N	
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overvoltage category	III	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-40°C~125°C	
Contact carrier material	PA66	
Seal material	FKM	
Contact material	CuSn	
Contact surface material	Au	
Shielded	Yes	
Tightening torque	0.5Nm	
Standards/specifications	-	

M40-Male Crimp Rotating Bent

M40-Female Crimp With Nut



Part Number

A0M40 - M XXXX - 39 XX - X 3N		
Sequence Number	Positions:6 to 8	Coding:N

Part Number

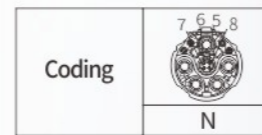
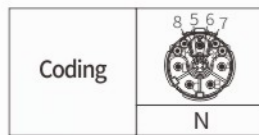
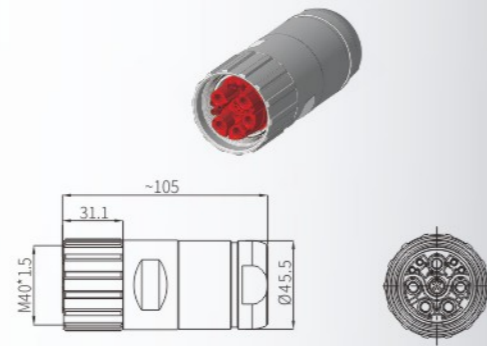
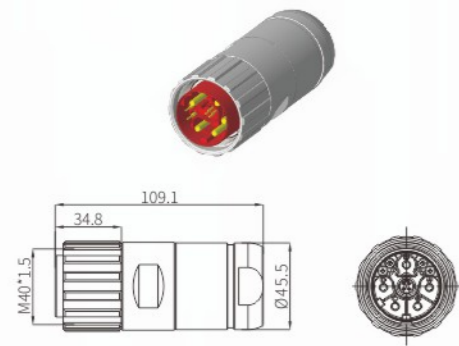
A0M40 - M XXXX - 37 XX - X 3N		
Sequence Number	Positions:6 to 8	Coding:N

Technical Parameters

Number of Positions	6	8
Rated voltage	630V/250V	
Rated current	70A/30A	
Rated surge voltage	6000V/4000V	
Coding	N	
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overvoltage category	III	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-40°C~125°C	
Contact carrier material	PA66	
Seal material	FKM	
Contact material	CuSn	
Contact surface material	Au	
Shielded	Yes	
Tightening torque	0.5Nm	
Standards/specifications	-	

M40-Male Assembly Crimping

M40-Female Assembly Crimping



Part Number

Part Number

A0M40 - M XXXX - 37 XX - X 3N		
Sequence Number	Positions:6 to 8	Coding:N

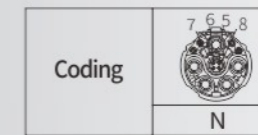
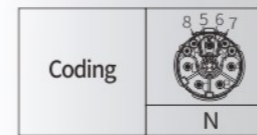
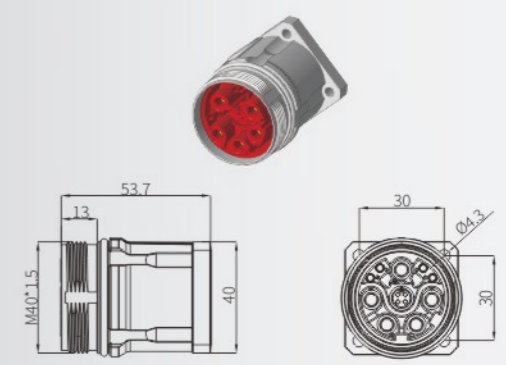
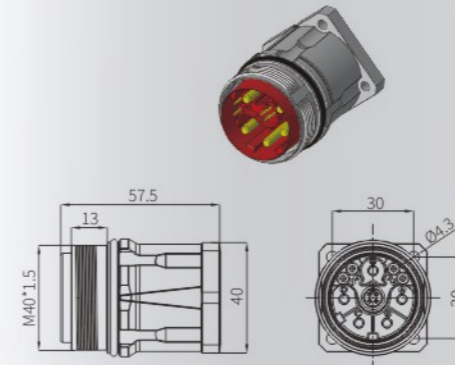
A0M40 - F XXXX - 37 XX - X 3N		
Sequence Number	Positions:6 to 8	Coding:N

Technical Parameters

Number of Positions	13
Rated voltage	630V/630V/500V
Rated current	70A/8A/8A
Rated surge voltage	6000V/6000V/1500V
Coding	N
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100MΩ
Overvoltage category	III
Degree of protection	IP67
Insertion/withdrawal cycles	> 100
Degree of pollution	3
Ambient temperature	-40°C~125°C
Contact carrier material	PA66
Seal material	FKM
Contact material	CuSn
Contact surface material	Au
Shielded	Yes
Tightening torque	0.5Nm
Standards/specifications	-

M40-Male Square Crimp External Thread

M40-Female Square Crimp External Thread



Part Number

Part Number

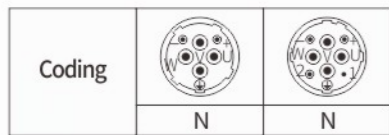
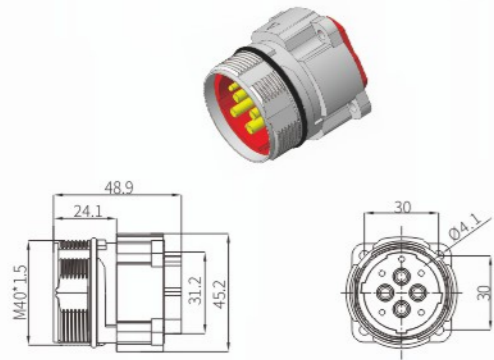
A0M40 - M XXXX - 27 XX - X 3N		
Sequence Number	Positions:6 to 8	Coding:N

A0M40 - M XXXX - 27 XX - X 3N		
Sequence Number	Positions:6 to 8	Coding:N

Technical Parameters

Number of Positions	13
Rated voltage	630V/630V/500V
Rated current	70A/8A/8A
Rated surge voltage	6000V/6000V/1500V
Coding	N
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100MΩ
Overvoltage category	III
Degree of protection	IP67
Insertion/withdrawal cycles	> 100
Degree of pollution	3
Ambient temperature	-40°C~125°C
Contact carrier material	PA66
Seal material	FKM
Contact material	CuSn
Contact surface material	Au
Shielded	Yes
Tightening torque	0.5Nm
Standards/specifications	-

M40-Female Square Crimp External Threaded



Part Number

A0M40 - M XXXX - 27 XX - X 3N		
Sequence Number	Positions:6 to 8	Coding:N

Technical Parameters

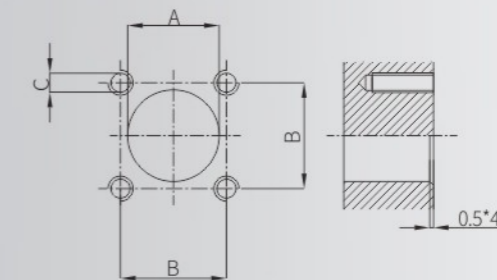
Number of Positions	6	8
Rated voltage	630V/250V	
Rated current	70A/30A	
Rated surge voltage	6000V/4000V	
Coding	N	
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overtoltage category	III	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-40°C~125°C	
Contact carrier material	PA66	
Seal material	FKM	
Contact material	CuSn	
Contact surface material	Au	
Shielded	Yes	
Tightening torque	0.5Nm	
Standards/specifications	-	

M40-Dust Cover



A0M40 - X XXXX - 19 XX - X 0N	
M=Male F=Female	Sequence Number

M40-Panel-Cutout



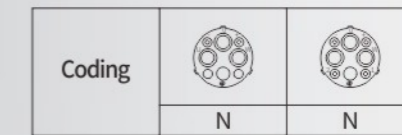
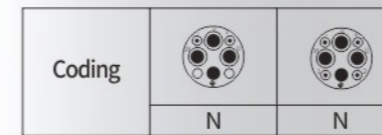
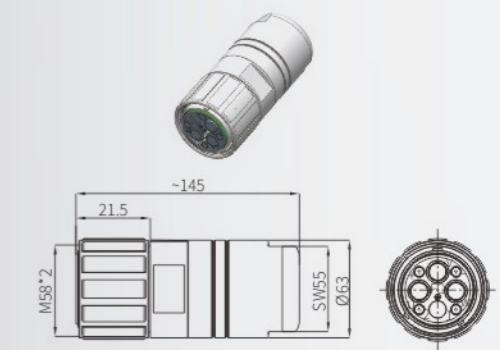
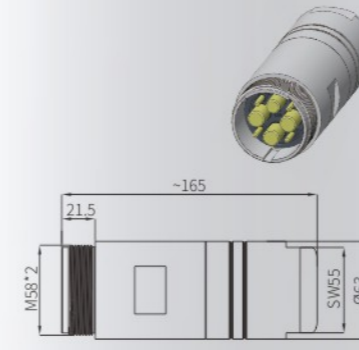
	A(mm)	B(mm)	C(mm)	Torsion
I	32	30	M4(4X)	1.5 Nm

M58-Layout

Coding	Number of Positions	Male	Female	AWG	mm ²
N	6			16/6	1.3/50
	8			16/6	1.3/50

M58-Male Assembly Crimping

M58-Female Assembly Crimping



Part Number

A0M58 - M XXXX - 08 XX - X 3N

Sequence Number Positions:6 to 8 Coding:N

Part Number

A0M58 - F XXXX - 08 XX - X 3N

Sequence Number Positions:6 to 8 Coding:N

Technical Parameters

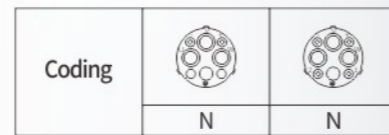
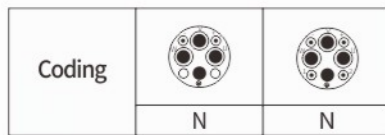
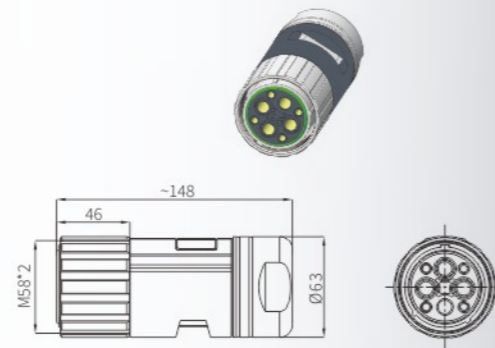
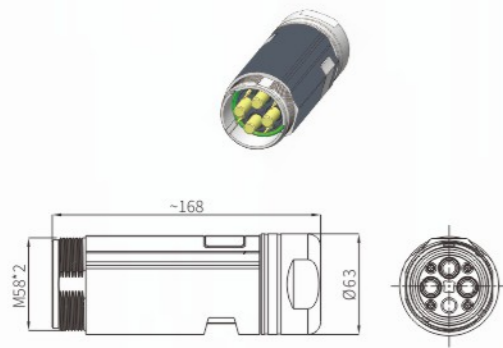
Number of Positions	6	8
Rated voltage	630V/250V	
Rated current	150A/12A	
Rated surge voltage	6000V/4000V	
Coding	N	
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overtoltage category	III	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-40°C~105°C	
Contact carrier material	PA66	
Seal material	FPM	
Contact material	CuSn	
Contact surface material	Au	
Shielded	Yes	
Tightening torque	0.5Nm	
Standards/specifications	-	

M58-Male Assembly Crimping

M58-Female Assembly Crimping

M58-Male Square Crimping

M58-Female Square Crimping



Part Number

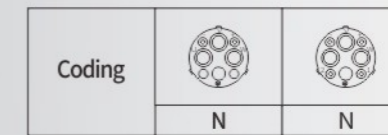
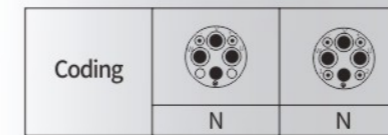
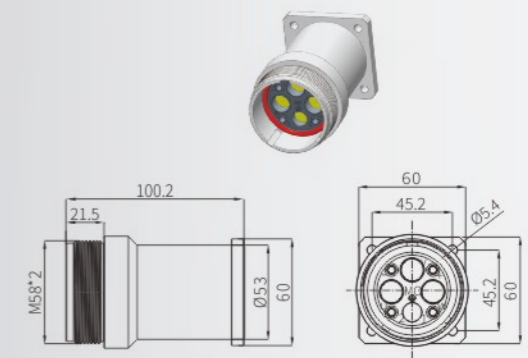
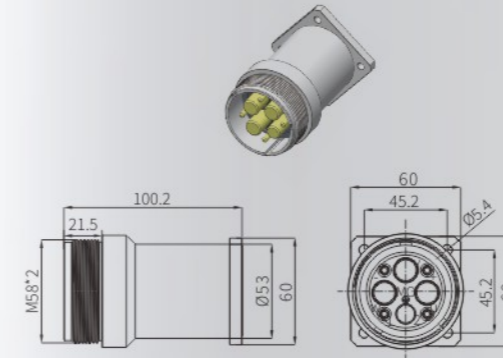
Part Number

A0M58 - M XXXX - 08 XX - X 3N		
Sequence Number	Positions:6 to 8	Coding:N

A0M58 - F XXXX - 08 XX - X 3N		
Sequence Number	Positions:6 to 8	Coding:N

Technical Parameters

Number of Positions	6	8
Rated voltage	630V/250V	
Rated current	70A/30A	
Rated surge voltage	4000V/6000V	
Coding	N	
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overtoltage category	III	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-40°C~25°C	
Contact carrier material	PA66	
Seal material	FPM	
Contact material	CuSn	
Contact surface material	Au	
Shielded	Yes	
Tightening torque	0.5Nm	
Standards/specifications	-	



Part Number

Part Number

A0M58 - M XXXX - 27 XX - X 3N		
Sequence Number	Positions:6 to 8	Coding:N

A0M58 - F XXXX - 27 XX - X 3N		
Sequence Number	Positions:6 to 8	Coding:N

Technical Parameters

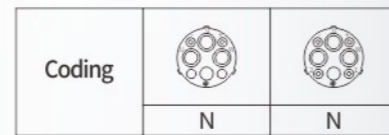
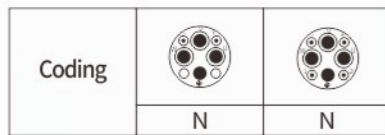
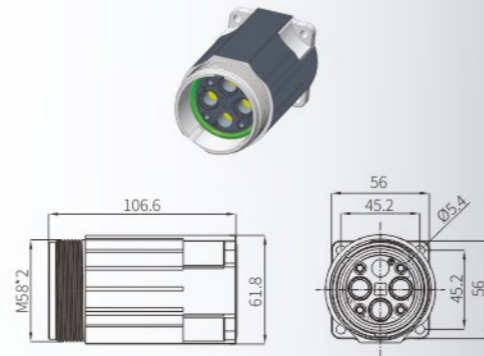
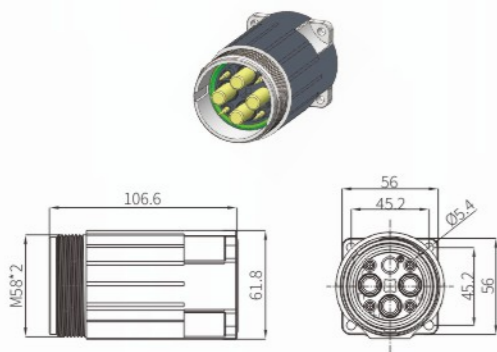
Number of Positions	6	8
Rated voltage	630V/250V	
Rated current	70A/30A	
Rated surge voltage	6000V/4000V	
Coding	N	
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overtoltage category	III	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-40°C~105°C	
Contact carrier material	PA66	
Seal material	FPM	
Contact material	CuSn	
Contact surface material	Au	
Shielded	No	
Tightening torque	0.5Nm	
Standards/specifications	-	

M58-Male Square Crimping

M58-Female Square Crimping

M58-Male Square Crimp R/A

M58-Female Square Crimp R/A



Part Number

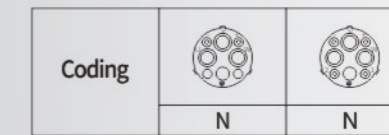
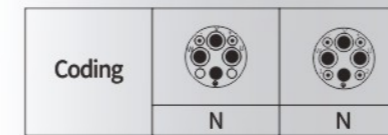
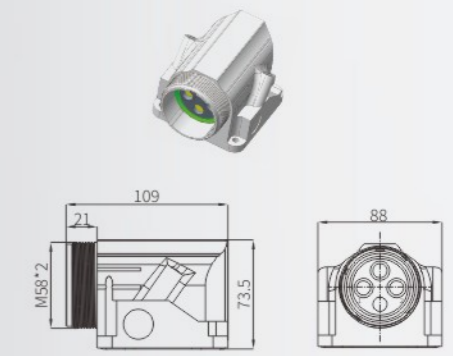
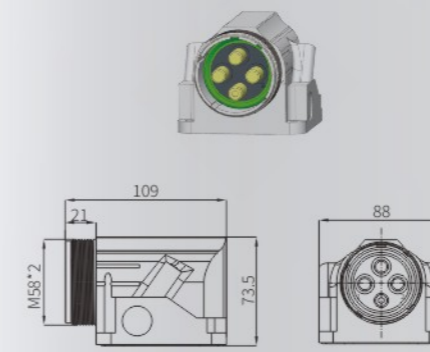
Part Number

A0M58 - M XXXX - 27 XX - X 3N		
Sequence Number	Positions:6 to 8	Coding:N

A0M58 - F XXXX - 27 XX - X 3N		
Sequence Number	Positions:6 to 8	Coding:N

Technical Parameters

Number of Positions	6	8
Rated voltage	630V/250V	
Rated current	70A/30A	
Rated surge voltage	4000V/6000V	
Coding	N	
Contact resistance	≤ 3 mΩ	
Insulation resistance	≥ 100MΩ	
Overvoltage category	III	
Degree of protection	IP67	
Insertion/withdrawal cycles	> 100	
Degree of pollution	3	
Ambient temperature	-40°C~105°C	
Contact carrier material	PA66	
Seal material	FPM	
Contact material	CuSn	
Contact surface material	Au	
Shielded	No	
Tightening torque	0.5Nm	
Standards/specifications	-	



Part Number

Part Number

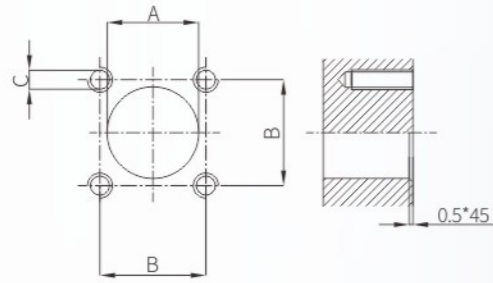
A0M58 - M XXXX - 39 XX - X 3N		
Sequence Number	Positions:6 to 8	Coding:N

A0M58 - F XXXX - 39 XX - X 3N		
Sequence Number	Positions:6 to 8	Coding:N

Technical Parameters

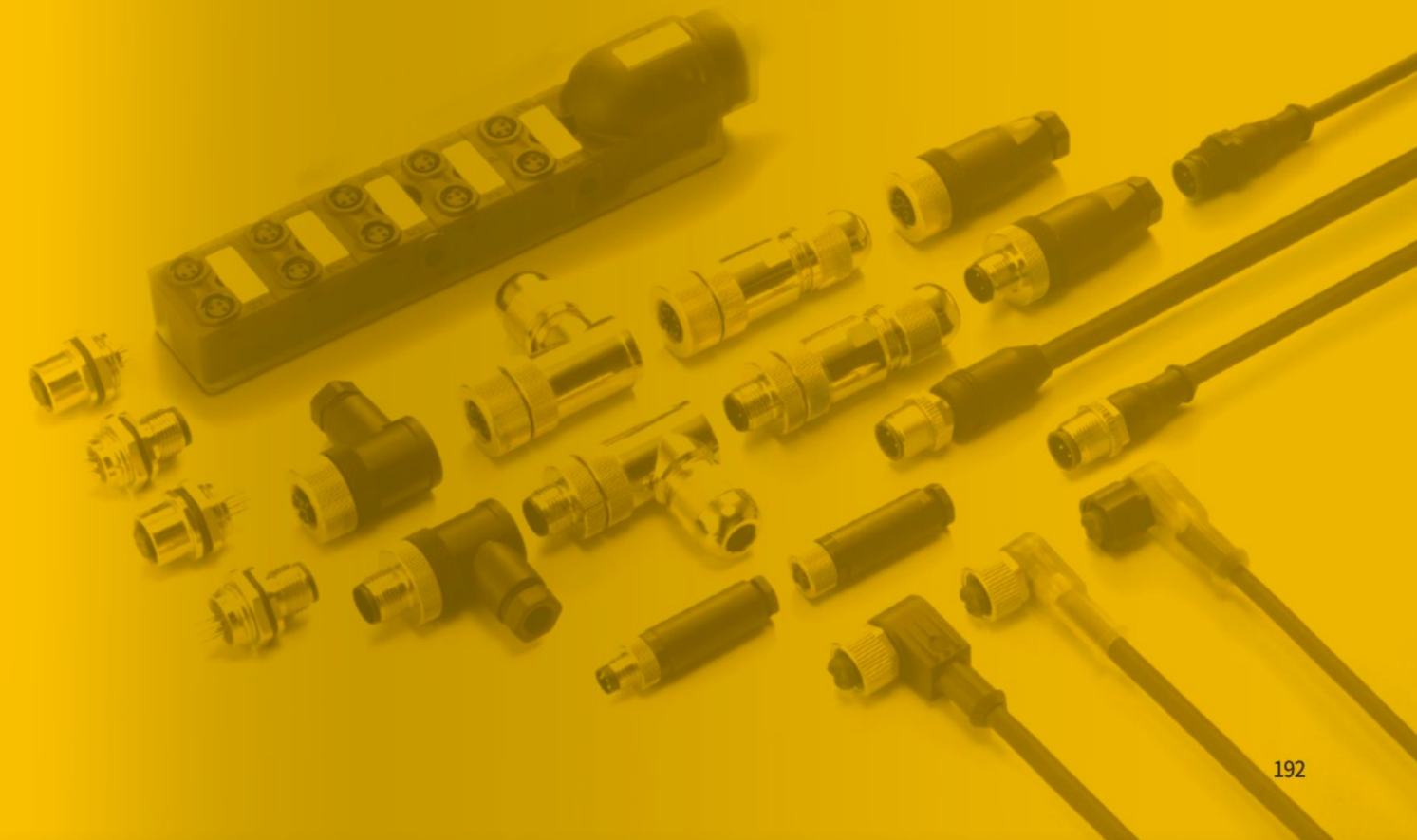
Number of Positions	8
Rated voltage	630V/250V
Rated current	70A/30A
Rated surge voltage	6000V/4000V
Coding	N
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100MΩ
Overvoltage category	III
Degree of protection	IP67
Insertion/withdrawal cycles	> 100
Degree of pollution	3
Ambient temperature	-40°C~105°C
Contact carrier material	PA66
Seal material	FPM
Contact material	CuSn
Contact surface material	Au
Shielded	No
Tightening torque	0.5Nm
Standards/specifications	-

M58-Panel Cutout



	A(mm)	B(mm)	C(mm)	Torsion
I	62	72	M5(4X)	2Nm
II	48.6	45.2	M5(4X)	2Nm

M-Series Cable Assembly



M Series Cable Assembly Part Number Definition

APM X - X X X X X X X X X X - XXXM - XX

- Sequence Number
00~99
- Cable Assembly Length(Unit M)
001M==0.1M; 002M==0.2M; 010M==1.0M;
015M==1.5M; 115M==11.5M ***
- Contact Poles
02-2 Poles; 03-3 Poles; 04-4Poles ***
- B-Side Code Type
A, B, C, D, S, T, L, M, K, X, Y, N---NO
- B-Side Connector Type
1-M5 Male; 2-M5 Female;
3-M8 Male; 4-M8 Female;
5-M9 Male; 6-M9 Female;
7-M12 Male; 8-M12 Female;
A-M16 Male; B-M16 Female;
C-7/8"-16UN Male; D-7/8"-16UN Female;
9- RJ45 8P8C;N-NO;
- B-Side Type
S- Straight; R- Right Angle N-NO
- Cable Material Type & Color
1-PVC Black; 2-PUR Black;
3-PVC Gray; 4-PUR Gray
* Other Derived Code
- A-Side Connector Code Type
A, B, C, D, S, T, L, M, K, X, Y
- A- Side Connector Type
1-M5 Male; 2-M5 Female;
3-M8 Male; 4-M8 Female;
5-M9 Male; 6-M9 Female;
7-M12 Male; 8-M12 Female;
A-M16 Male; B-M16 Female;
C-7/8"-16UN Male; D-7/8"-16UN Female;
- A-Side Type
S- Straight; R- Right Angle
- Connectors at Both Ends of the Harness:
S- Single Ended; D- Double Ended
- Connectors Type
0- Assembly Type; 1- Mould Type
- Application Type
S- Cable Assembly Shielded
U- Cable Assembly Unshielded

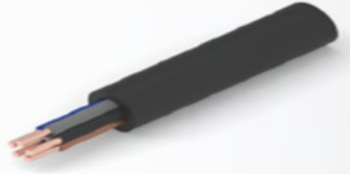
M Series Board End Harness Assembly Part Number Definition

APMB - X X X XX XX X X X - XXXM - XX


- Sequence Number
00~99
- Cable Assembly Length(Unit M)
001M==0.1M; 002M==0.2M; 010M==1.0M;
015M==1.5M; 115M==11.5M ***
- Cable Material
1-PVC; 2-TPU; 3-PTFE
- Cable Type
C-Cable; W-Wire
- Contact Plating
A=Gold 3u" B= Gold 10u" C=Silver
N=Non-Plating
- Number of Positions
02~17
- Body Type
01-99
- Coding
A, B, C, D, S, T, L, M, K, X, Y
- Connector Type
1-M5 Male connector
2-M5 Female connector
3-M8 Male connector
4-M8 Female connector
5-M9 Male connector
6-M9 Female connector
7-M9 Male connector
8-M9 Female connector
A-M16 Male connector
B-M16 Female connector
C-7/8"-16UN Male connector
D-7/8"-16UN Female connector
- Panel Mount Type
F= Front Lock Nut
B= Rear Lock Nut

M Series Cable Parameters

MXX Cable Unshielded Series

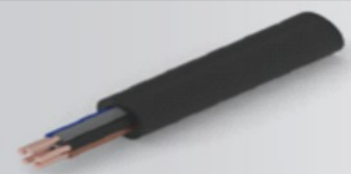

Image																																
Jacket Material	PVC or PUR																															
Jacket Color	Black or Gray																															
No. of Conductors	2	3	4	5	2	3	4	5	6	7	8	2	3	4	5	8	3	4	5	8	12	14	16	19	3	4	5	7	8	12	17	24
Conductor Sizes	16AWG			18AWG				22AWG			24AWG				26AWG																	
Conductor Material	Bare Copper																															
Construction	105/0.10mm			96/0.10mm				42/0.10mm			30/0.10mm				19/0.10mm																	
Temperature Range	-20°C~80°C(PVC) or -40°C~80°C(PUR)																															
Rated Voltage	300V																															
Features	Flame Retardant, RoHS (PVC) or Flame Retardant, Oil Resistant, RoHS (PUR)																															
UL Standards	UL 2464 (PVC) or UL 20549 (PUR)																															

MXX Cable Shielded Series

Image																																
Jacket Material	PVC or PUR																															
Jacket Color	Black or Gray																															
No. of Conductors	2	3	4	5	2	3	4	5	6	7	8	2	3	4	5	8	3	4	5	8	12	14	16	19	3	4	5	7	8	12	17	24
Conductor Sizes	16AWG			18AWG				22AWG			24AWG				26AWG																	
Conductor Material	Bare Copper																															
Construction	105/0.10mm			96/0.10mm				42/0.10mm			30/0.10mm				19/0.10mm																	
Shield 1	AL/Mylar																															
Shield 2	Tinned Copper Braid																															
Temperature Range	-20°C~80°C(PVC) or -40°C~80°C(PUR)																															
Rated Voltage	300V																															
Features	Flame Retardant, RoHS (PVC) or Flame Retardant, Oil Resistant, RoHS (PUR)																															
UL Standards	UL 2464 (PVC) or UL 20549 (PUR)																															

M Series Cable Parameters


Cable Parameters (Applicable to Y Code Type M12 Connectors)

Type	Unshielded					Shielded				
Image										
Jacket Material	PVC or PUR					PVC or PUR				
Jacket Color	Black or Gray					Black or Gray				
No. of Conductors	2C+4C or 4C+4C					2C+4C or 4C+4C				
Conductor Sizes	20 AWG	22 AWG	24 AWG	26 AWG	28 AWG	20 AWG	22 AWG	24 AWG	26 AWG	28 AWG
Conductor Material	Bare Copper or Tinned Copper					Bare Copper or Tinned Copper				
Shield 1	/					AL/Mylar				
Shield 2	/					Tinned Copper Braid				
Temperature Range	-20°C~80°C					-40°C~80°C				
Rated Voltage	300V									
Features	Flame Retardant, RoHS (PVC) or Flame Retardant, Oil Resistant, RoHS (PUR)									
UL Standards	UL 2464 (PVC) or UL 20549 (PUR)									

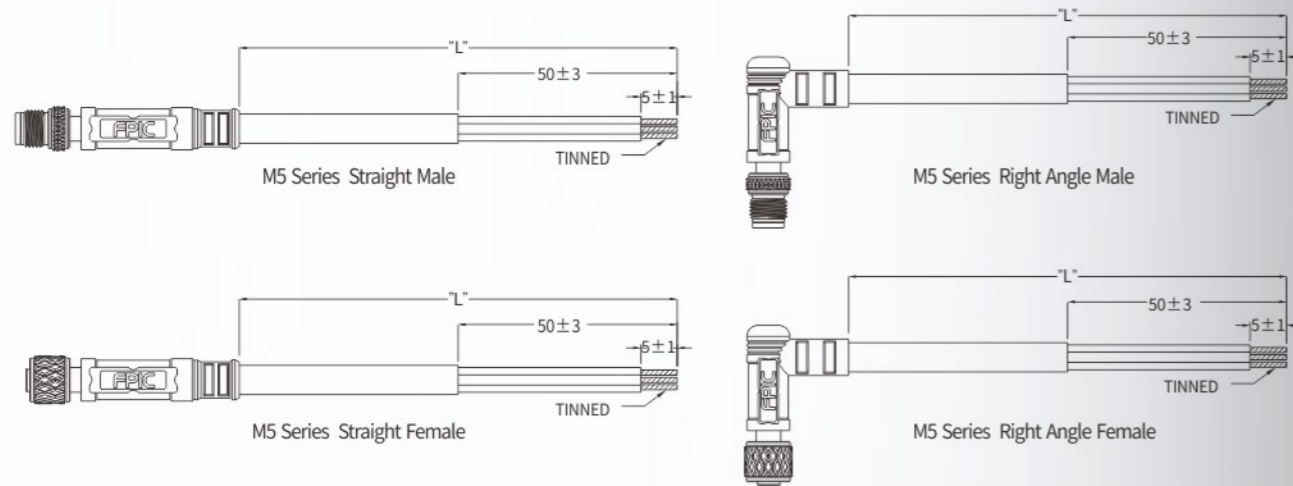
Description

M12 Ethernet Cable Assembly Unshielded Series

M12 Ethernet Cable Assembly Shielded Series

Image						
Jacket Material	PVC or PUR					
Jacket Color	Black or Gray or Blue					
No. of Conductors	4	8	8	4	8	8
Conductor Sizes	24AWG	26AWG	28AWG	24AWG	26AWG	28AWG
Conductors Materials	Tinned Copper					
Shield 1	/			AL/Mylar		
Shield 2	/			Tinned Copper Braid or Drain Wire		
Temperature Range	-20°C~80°C (PVC) or -40°C~80°C(PUR)					
Rated Voltage	300V					
Features	Flame Retardant, Oil Resistant, RoHS					
Describe	Ethernet or Ether CAT or CAT5E or CAT6					

M5 Series Molding Type



M5 Series Coding Electrical Parameters

Series	Coding	Number of Positions	Male	Rated Current	Rated Voltage	Max. Conductor Size		Female
						AWG	mm ²	
M5	A	3		A1	60V	26	0.14	
		4		A1	60V	26	0.14	

M5 Series Cable Color Definition

From Poles	M5 Cable Definition		To Poles	From Poles	M5 Cable Definition		To Poles
	3 Poles				4 Poles		
1	BN		1	1	BN		1
2	BU		2	2	WH		2
3	BK		3	3	BU		3
				4	BK		4

M5 Series Single Ended Connector Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1SS1A1NNN03-001M-00	M5 S-Male A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMU-1SS1A2NNN03-001M-00	M5 S-Male A Code 3Pos Cable 3C Black L=0.1M	3		PUR	Unshielded
APMU-1SS1A1NNN04-001M-00	M5 S-Male A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMU-1SS1A2NNN04-001M-00	M5 S-Male A Code 4Pos Cable 4C Black L=0.1M	4		PUR	Unshielded
APMU-1SR1A1NNN03-001M-00	M5 R-Male A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMU-1SR1A2NNN03-001M-00	M5 R-Male A Code 3Pos Cable 3C Black L=0.1M	3		PUR	Unshielded
APMU-1SR1A1NNN04-001M-00	M5 R-Male A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMU-1SR1A2NNN04-001M-00	M5 R-Male A Code 4Pos Cable 4C Black L=0.1M	4		PUR	Unshielded
APMU-1SS2A1NNN03-001M-00	M5 S-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMU-1SS2A2NNN03-001M-00	M5 S-Female A Code 3Pos Cable 3C Black L=0.1M	3		PUR	Unshielded
APMU-1SS2A1NNN04-001M-00	M5 S-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMU-1SS2A2NNN04-001M-00	M5 S-Female A Code 4Pos Cable 4C Black L=0.1M	4		PUR	Unshielded
APMU-1SR2A1NNN03-001M-00	M5 R-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMU-1SR2A2NNN03-001M-00	M5 R-Female A Code 3Pos Cable 3C Black L=0.1M	3		PUR	Unshielded
APMU-1SR2A1NNN04-001M-00	M5 R-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMU-1SR2A2NNN04-001M-00	M5 R-Female A Code 4Pos Cable 4C Black L=0.1M	4		PUR	Unshielded
APMU-1DS1A1S1A03-001-00	M5 S-Male A Code to M5 S-Male A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMU-1DS1A2S1A03-001-00	M5 S-Male A Code to M5 S-Male A Code 3Pos Cable 3C Black L=0.1M	3		PUR	Unshielded
APMU-1DS1A1S1A04-001-00	M5 S-Male A Code to M5 S-Male A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMU-1DS1A2S1A04-001-00	M5 S-Male A Code to M5 S-Male A Code 4Pos Cable 4C Black L=0.1M	4		PUR	Unshielded
APMU-1DS1A1R1A03-001-00	M5 S-Male A Code to M5 R-Male A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMU-1DS1A2R1A03-001-00	M5 S-Male A Code to M5 R-Male A Code 3Pos Cable 3C Black L=0.1M	3		PUR	Unshielded
APMU-1DS1A1R1A04-001-00	M5 S-Male A Code to M5 R-Male A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMU-1DS1A2R1A04-001-00	M5 S-Male A Code to M5 R-Male A Code 4Pos Cable 4C Black L=0.1M	4		PUR	Unshielded

M5 Series Both Ended Connector Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1DS1A1S2A03-001-00	M5 S-Male A Code to M5 S-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMU-1DS1A2S2A03-001-00				PUR	Unshielded
APMU-1DS1A1S2A04-001-00	M5 S-Male A Code to M5 S-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMU-1DS1A2S2A04-001-00				PUR	Unshielded
APMU-1DS1A1R2A03-001-00	M5 S-Male A Code to M5 R-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMU-1DS1A2R2A03-001-00				PUR	Unshielded
APMU-1DS1A1R2A04-001-00	M5 S-Male A Code to M5 R-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMU-1DS1A2R2A04-001-00				PUR	Unshielded
APMU-1DR1A1R1A03-001-00	M5 R-Male A Code to M5 R-Male A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMU-1DR1A2R1A03-001-00				PUR	Unshielded
APMU-1DR1A1R1A04-001-00	M5 R-Male A Code to M5 R-Male A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMU-1DR1A2R1A04-001-00				PUR	Unshielded
APMU-1DR1A1S2A03-001-00	M5 R-Male A Code to M5 S-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMU-1DR1A2S2A03-001-00				PUR	Unshielded
APMU-1DR1A1S2A04-001-00	M5 R-Male A Code to M5 S-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMU-1DR1A2S2A04-001-00				PUR	Unshielded
APMU-1DR1A1R2A03-001-00	M5 R-Male A Code to M5 R-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMU-1DR1A2R2A03-001-00				PUR	Unshielded
APMU-1DR1A1R2A04-001-00	M5 R-Male A Code to M5 R-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMU-1DR1A2R2A04-001-00				PUR	Unshielded
APMU-1DS2A1S2A03-001-00	M5 S-Female A Code to M5 S-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMU-1DS2A2S2A03-001-00				PUR	Unshielded
APMU-1DS2A1S2A04-001-00	M5 S-Female A Code to M5 S-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMU-1DS2A2S2A04-001-00				PUR	Unshielded

M5 Series Both Ended Connector Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1DS2A1R2A03-001-00	M5 S-Female A Code to M5 R-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMU-1DS2A2R2A03-001-00				PUR	Unshielded
APMU-1DS2A1R2A04-001-00	M5 S-Female A Code to M5 R-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMU-1DS2A2R2A04-001-00				PUR	Unshielded
APMU-1DR2A1R2A03-001-00	M5 R-Female A Code to M5 R-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMU-1DR2A2R2A03-001-00				PUR	Unshielded
APMU-1DR2A1R2A04-001-00	M5 R-Female A Code to M5 R-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMU-1DR2A2R2A04-001-00				PUR	Unshielded

M5 Series Product Parameters

Material

- Contact: Brass, Gold Flash Plating
- Nut: Brass, Nickel Plating
- O-Ring: Silicon Rubber
- Housing: PA
- Over-Molding: PVC or TPU
- Over-Molding Color: Black or Gray

Key Options: A Coded

M5 Postions:3 or 4Poles

M5 Single or Both Ended Cable Assembly

Cable Length Options: Custom

Mechanical

Durability:100 Cycles

Degree of Protection: IP67

Temperature Range:

-PVC:

Fixed: -40°C to +80°C

Flexible: -20°C to +80°C

-PUR:

Fixed: -40°C to +80°C

Flexible: -20°C to +80°C

Cable Specification

Cable Jacket: PVC or PUR

Cable Assemblies: Unshielded Versions

Jacket Color: Black or Gray

Conductor: 26AWG/28AWG

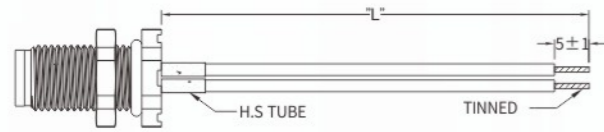
Electrical

Current Rating: 1A

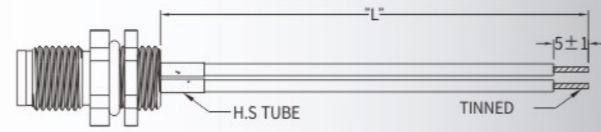
Voltage Rating: 60V

Insulation Resistance: 100MΩ Min.

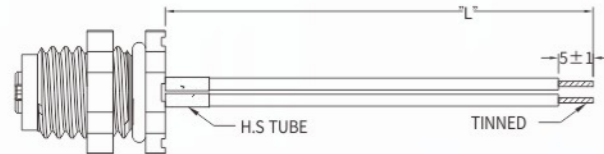
M5 Series Board Ended Connector Harness Assembly Definition



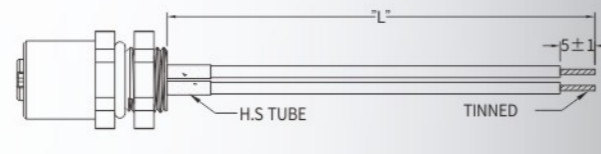
M5 Series Plate End Front Lock Nut Type Male Connector



M5 Series Plate End Rear Lock Nut Type Male Connector



M5 Series Plate End Front Lock Nut Type Female Connector

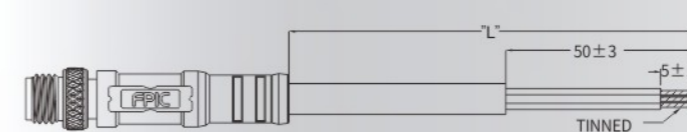


M5 Series Plate End Rear Lock Nut Type Female Connector

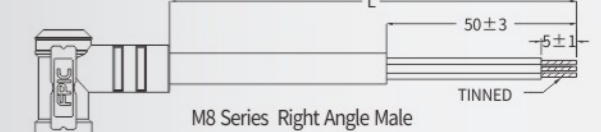
M5 Series Board Ended Connector Harness Assembly

Part Number	Part Description	Poles	Type	Wire Material
APMB-F1A0403AW1-001M-00	M5 Male A Code /Contact Plating Gold 3u"/ Front Lock Nut/ Wire 3C L=0.1M	3		PVC
APMB-F1A0403AW2-001M-00				TPU
APMB-F1A0403AW3-001M-00				PTFE
APMB-F1A0404AW1-001M-00	M5 Male A Code /Contact Plating Gold 3u"/ Front Lock Nut/ Wire 4C L=0.1M	4		PVC
APMB-F1A0404AW2-001M-00				TPU
APMB-F1A0404AW3-001M-00				PTFE
APMB-B1A0403AW1-001M-00	M5 Male A Code /Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 3C L=0.1M	3		PVC
APMB-B1A0403AW2-001M-00				TPU
APMB-B1A0403AW3-001M-00				PTFE
APMB-B1A0404AW1-001M-00	M5 Male A Code /Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 4C L=0.1M	4		PVC
APMB-B1A0404AW2-001M-00				TPU
APMB-B1A0404AW3-001M-00				PTFE
APMB-F2A0403AW1-001M-00	M5 Female A Code /Contact Plating Gold 3u"/ Front Lock Nut/ Wire 3C L=0.1M	3		PVC
APMB-F2A0403AW2-001M-00				TPU
APMB-F2A0403AW3-001M-00				PTFE
APMB-F2A0404AW1-001M-00	M5 Female A Code /Contact Plating Gold 3u"/ Front Lock Nut/ Wire 4C L=0.1M	4		PVC
APMB-F2A0404AW2-001M-00				TPU
APMB-F2A0404AW3-001M-00				PTFE
APMB-B2A0403AW1-001M-00	M5 Female A Code /Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 3C L=0.1M	3		PVC
APMB-B2A0403AW2-001M-00				TPU
APMB-B2A0403AW3-001M-00				PTFE
APMB-B2A0404AW1-001M-00	M5 Female A Code /Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 4C L=0.1M	4		PVC
APMB-B2A0404AW2-001M-00				TPU
APMB-B2A0404AW3-001M-00				PTFE

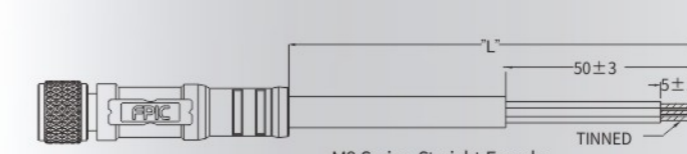
M8 Series Molding Type



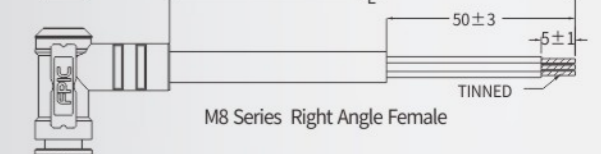
M8 Series Straight Male



M8 Series Right Angle Male



M8 Series Straight Female




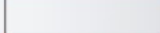


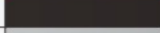
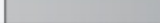


M8 Series Right Angle Female

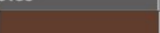
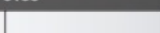

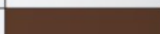

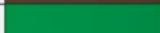


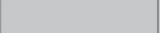





M8 Series A/B/D Coding Electrical Parameters

Series	Coding	Number of Positions	Male	Rated Current	Rated Voltage	Max. Conductor Size		Female
						AWG	mm ²	
M8	A	3		4A	60V	24	0.25	
		4		4A	60V	24	0.25	
		6		1.5A	30V	26	0.14	
		8		1.5A	30V	26	0.14	
	B	5		3A	30V	24	0.25	
	D	4		4A	60V	24	0.25	









M8 Series Cable Color Definition

From Poles	M8 Cable Definition		To Poles	From Poles	M8 Cable Definition		To Poles
	3 Poles				5 Poles		
1	BN		1	1	BN		1
2	BU		2	2	WH		2
3	BK		3	3	BU		3
				4	BK		4
				5	GY		5



From Poles	M8 Cable Definition		M8 Cable Definition		To Poles
	4 Poles(A-Code)		4 Poles(D-Code)		
1	BN		YE		1
2	WH		WH		2
3	BU		OG		3
4	BK		BU		4

From Poles	M8 Cable Definition		To Poles	From Poles	M8 Cable Definition		To Poles
	6 Poles				8 Poles		
1	BN		1	1	WH		1
2	WH		2	2	BN		2
3	BU		3	3	GN		3
4	BK		4	4	YE		4
5	GY		5	5	GY		5
6	PK		6	6	PK		6
				7	BU		7
				8	RE		8




M8 Series Single Ended A/B/D Coding Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded			
APMU-1SS3A1NNN03-001M-00	M8 S-Male A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded			
APMS-1SS3A1NNN03-001M-00				PVC	Shielded			
APMU-1SS3A2NNN03-001M-00				PUR	Unshielded			
APMS-1SS3A2NNN03-001M-00				PUR	Shielded			
APMU-1SS3A1NNN06-001M-00				PVC	Unshielded			
APMS-1SS3A1NNN06-001M-00				PVC	Shielded			
APMU-1SS3A2NNN06-001M-00	M8 S-Male A Code 6Pos Cable 6C Black L=0.1M	6		PUR	Unshielded			
APMS-1SS3A2NNN06-001M-00				PUR	Shielded			
APMU-1SS3B1NNN05-001M-00				M8 S-Male B Code 5Pos Cable 5C Black L=0.1M	5		PVC	Unshielded
APMS-1SS3B1NNN05-001M-00							PVC	Shielded
APMU-1SS3B2NNN05-001M-00							PUR	Unshielded
APMS-1SS3B2NNN05-001M-00							PUR	Shielded
APMU-1SS3D1NNN04-001M-00	M8 S-Male D Code 4Pos Cable 4C Black L=0.1M	4					PVC	Unshielded
APMS-1SS3D1NNN04-001M-00							PVC	Shielded
APMU-1SS3D2NNN04-001M-00				PUR	Unshielded			
APMS-1SS3D2NNN04-001M-00				PUR	Shielded			
APMU-1SR3A1NNN03-001M-00				M8 R-Male A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1SR3A1NNN03-001M-00							PVC	Shielded
APMU-1SR3A2NNN03-001M-00	PUR	Unshielded						
APMS-1SR3A2NNN03-001M-00	PUR	Shielded						
APMU-1SR3A1NNN06-001M-00	M8 R-Male A Code 6Pos Cable 6C Black L=0.1M	6					PVC	Unshielded
APMS-1SR3A1NNN06-001M-00							PVC	Shielded
APMU-1SR3A2NNN06-001M-00				PUR	Unshielded			
APMS-1SR3A2NNN06-001M-00				PUR	Shielded			
APMU-1SR3B1NNN05-001M-00				M8 R-Male B Code 5Pos Cable 5C Black L=0.1M	5		PVC	Unshielded
APMS-1SR3B1NNN05-001M-00							PVC	Shielded
APMU-1SR3B2NNN05-001M-00	PUR	Unshielded						
APMS-1SR3B2NNN05-001M-00	PUR	Shielded						
APMU-1SR3D1NNN04-001M-00	M8 R-Male D Code 4Pos Cable 4C Black L=0.1M	4					PVC	Unshielded
APMS-1SR3D1NNN04-001M-00							PVC	Shielded
APMU-1SR3D2NNN04-001M-00				PUR	Unshielded			
APMS-1SR3D2NNN04-001M-00				PUR	Shielded			



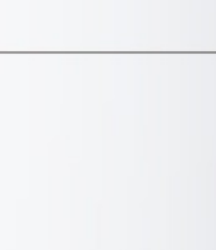
M8 Series Single Ended A/B/D Coding Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1SS4A1NNN03-001M-00	M8 S-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1SS4A1NNN03-001M-00				PVC	Shielded
APMU-1SS4A2NNN03-001M-00				PUR	Unshielded
APMS-1SS4A2NNN03-001M-00				PUR	Shielded
APMU-1SS4A1NNN06-001M-00	M8 S-Female A Code 6Pos Cable 6C Black L=0.1M	6		PVC	Unshielded
APMS-1SS4A1NNN06-001M-00				PVC	Shielded
APMU-1SS4A2NNN06-001M-00				PUR	Unshielded
APMS-1SS4A2NNN06-001M-00				PUR	Shielded
APMU-1SS4B1NNN05-001M-00	M8 S-Female B Code 5Pos Cable 5C Black L=0.1M	5	PVC	Unshielded	
APMS-1SS4B1NNN05-001M-00			PVC	Shielded	
APMU-1SS4B2NNN05-001M-00			PUR	Unshielded	
APMS-1SS4B2NNN05-001M-00			PUR	Shielded	
APMU-1SS4D1NNN04-001M-00	M8 S-Female D Code 4Pos Cable 4C Black L=0.1M	4	PVC	Unshielded	
APMS-1SS4D1NNN04-001M-00			PVC	Shielded	
APMU-1SS4D2NNN04-001M-00			PUR	Unshielded	
APMS-1SS4D2NNN04-001M-00			PUR	Shielded	
APMU-1SR4A1NNN03-001M-00	M8 R-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1SR4A1NNN03-001M-00				PVC	Shielded
APMU-1SR4A2NNN03-001M-00				PUR	Unshielded
APMS-1SR4A2NNN03-001M-00				PUR	Shielded
APMU-1SR4A1NNN06-001M-00	M8 R-Female A Code 6Pos Cable 6C Black L=0.1M	6		PVC	Unshielded
APMS-1SR4A1NNN06-001M-00				PVC	Shielded
APMU-1SR4A2NNN06-001M-00				PUR	Unshielded
APMS-1SR4A2NNN06-001M-00				PUR	Shielded
APMU-1SR4B1NNN05-001M-00	M8 R-Female B Code 5Pos Cable 5C Black L=0.1M	5	PVC	Unshielded	
APMS-1SR4B1NNN05-001M-00			PVC	Shielded	
APMU-1SR4B2NNN05-001M-00			PUR	Unshielded	
APMS-1SR4B2NNN05-001M-00			PUR	Shielded	
APMU-1SR4D1NNN04-001M-00	M8 R-Female D Code 4Pos Cable 4C Black L=0.1M	4	PVC	Unshielded	
APMS-1SR4D1NNN04-001M-00			PVC	Shielded	
APMU-1SR4D2NNN04-001M-00			PUR	Unshielded	
APMS-1SR4D2NNN04-001M-00			PUR	Shielded	

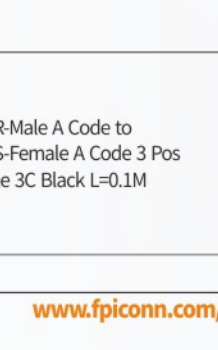
M8 Series Both Ended Connector A/B/D Coding Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1DS3A1S3A03-001M-00	M8 S-Male A Code to M8 S-Male A Code 3 Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DS3A1S3A03-001M-00				PVC	Shielded
APMU-1DS3A2S3A03-001M-00				PUR	Unshielded
APMS-1DS3A2S3A03-001M-00				PUR	Shielded
APMU-1DS3B1S3B05-001M-00	M8 S-Male B Code to M8 S-Male B Code 5 Pos Cable 5C Black L=0.1M	5		PVC	Unshielded
APMS-1DS3B1S3B05-001M-00				PVC	Shielded
APMU-1DS3B2S3B05-001M-00				PUR	Unshielded
APMS-1DS3B2S3B05-001M-00				PUR	Shielded
APMU-1DS3D1S3D04-001M-00	M8 S-Male D Code to M8 S-Male D Code 4 Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DS3D1S3D04-001M-00				PVC	Shielded
APMU-1DS3D2S3D04-001M-00				PUR	Unshielded
APMS-1DS3D2S3D04-001M-00				PUR	Shielded
APMU-1DS3A1R3A03-001M-00	M8 S-Male A Code to M8 R-Male A Code 3 Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DS3A1R3A03-001M-00				PVC	Shielded
APMU-1DS3A2R3A03-001M-00				PUR	Unshielded
APMS-1DS3A2R3A03-001M-00				PUR	Shielded
APMU-1DS3B1R3B05-001M-00	M8 S-Male B Code to M8 R-Male B Code 5 Pos Cable 5C Black L=0.1M	5		PVC	Unshielded
APMS-1DS3B1R3B05-001M-00				PVC	Shielded
APMU-1DS3B2R3B05-001M-00				PUR	Unshielded
APMS-1DS3B2R3B05-001M-00				PUR	Shielded
APMU-1DS3D1R3D04-001M-00	M8 S-Male D Code to M8 R-Male D Code 4 Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DS3D1R3D04-001M-00				PVC	Shielded
APMU-1DS3D2R3D04-001M-00				PUR	Unshielded
APMS-1DS3D2R3D04-001M-00				PUR	Shielded
APMU-1DS3A1S4A03-001M-00	M8 S-Male A Code to M8 S-Female A Code 3 Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DS3A1S4A03-001M-00				PVC	Shielded
APMU-1DS3A2S4A03-001M-00				PUR	Unshielded
APMS-1DS3A2S4A03-001M-00				PUR	Shielded
APMU-1DS3B1S4B05-001M-00	M8 S-Male B Code to M8 S-Female B Code 5 Pos Cable 5C Black L=0.1M	5		PVC	Unshielded
APMS-1DS3B1S4B05-001M-00				PVC	Shielded
APMU-1DS3B2S4B05-001M-00				PUR	Unshielded
APMS-1DS3B2S4B05-001M-00				PUR	Shielded



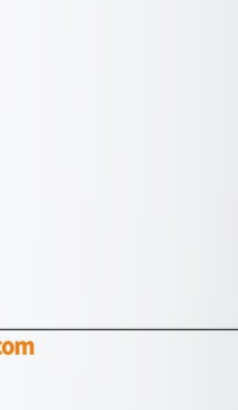
M8 Series Both Ended Connector A/B/D Coding Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1DS3D1S4D04-001M-00	M8 S-Male D Code to M8 S-Female D Code 4 Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DS3D1S4D04-001M-00				Shielded	
APMU-1DS3D2S4D04-001M-00				PUR	Unshielded
APMS-1DS3D2S4D04-001M-00				Shielded	
APMU-1DS3A1R4A03-001M-00	M8 S-Male A Code to M8 R-Female A Code 3 Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DS3A1R4A03-001M-00				Shielded	
APMU-1DS3A2R4A03-001M-00				PUR	Unshielded
APMS-1DS3A2R4A03-001M-00				Shielded	
APMU-1DS3B1R4B05-001M-00	M8 S-Male B Code to M8 R-Female B Code 5 Pos Cable 5C Black L=0.1M	5		PVC	Unshielded
APMS-1DS3B1R4B05-001M-00				Shielded	
APMU-1DS3B2R4B05-001M-00				PUR	Unshielded
APMS-1DS3B2R4B05-001M-00				Shielded	
APMU-1DS3D1R4D04-001M-00	M8 S-Male D Code to M8 R-Female D Code 4 Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DS3D1R4D04-001M-00				Shielded	
APMU-1DS3D2R4D04-001M-00				PUR	Unshielded
APMS-1DS3D2R4D04-001M-00				Shielded	
APMU-1DR3A1R3A03-001M-00	M8 R-Male A Code to M8 R-Male A Code 3 Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DR3A1R3A03-001M-00				Shielded	
APMU-1DR3A2R3A03-001M-00				PUR	Unshielded
APMS-1DR3A2R3A03-001M-00				Shielded	
APMU-1DR3B1R3B05-001M-00	M8 R-Male B Code to M8 R-Male B Code 5 Pos Cable 5C Black L=0.1M	5		PVC	Unshielded
APMS-1DR3B1R3B05-001M-00				Shielded	
APMU-1DR3B2R3B05-001M-00				PUR	Unshielded
APMS-1DR3B2R3B05-001M-00				Shielded	
APMU-1DR3D1R3D04-001M-00	M8 R-Male D Code to M8 R-Male D Code 4 Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DR3D1R3D04-001M-00				Shielded	
APMU-1DR3D2R3D04-001M-00				PUR	Unshielded
APMS-1DR3D2R3D04-001M-00				Shielded	
APMU-1DR3A1S4A03-001M-00	M8 R-Male A Code to M8 S-Female A Code 3 Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DR3A1S4A03-001M-00				Shielded	
APMU-1DR3A2S4A03-001M-00				PUR	Unshielded
APMS-1DR3A2S4A03-001M-00				Shielded	

M8 Series Both Ended Connector A/B/D Coding Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1DR3B1S4B05-001M-00	M8 R-Male B Code to M8 S-Female B Code 5 Pos Cable 5C Black L=0.1M	5		PVC	Unshielded
APMS-1DR3B1S4B05-001M-00				Shielded	
APMU-1DR3B2S4B05-001M-00				PUR	Unshielded
APMS-1DR3B2S4B05-001M-00				Shielded	
APMU-1DR3D1S4D04-001M-00	M8 R-Male D Code to M8 S-Female D Code 4 Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DR3D1S4D04-001M-00				Shielded	
APMU-1DR3D2S4D04-001M-00				PUR	Unshielded
APMS-1DR3D2S4D04-001M-00				Shielded	
APMU-1DR3A1R4A03-001M-00	M8 R-Male A Code to M8 R-Female A Code 3 Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DR3A1R4A03-001M-00				Shielded	
APMU-1DR3A2R4A03-001M-00				PUR	Unshielded
APMS-1DR3A2R4A03-001M-00				Shielded	
APMU-1DR3B1R4B05-001M-00	M8 R-Male B Code to M8 R-Female B Code 5 Pos Cable 5C Black L=0.1M	5		PVC	Unshielded
APMS-1DR3B1R4B05-001M-00				Shielded	
APMU-1DR3B2R4B05-001M-00				PUR	Unshielded
APMS-1DR3B2R4B05-001M-00				Shielded	
APMU-1DR3D1R4D04-001M-00	M8 R-Male D Code to M8 R-Female D Code 4 Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DR3D1R4D04-001M-00				Shielded	
APMU-1DR3D2R4D04-001M-00				PUR	Unshielded
APMS-1DR3D2R4D04-001M-00				Shielded	
APMU-1DS4A1S4A03-001M-00	M8 S-Female A Code to M8 S-Female A Code 3 Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DS4A1S4A03-001M-00				Shielded	
APMU-1DS4A2S4A03-001M-00				PUR	Unshielded
APMS-1DS4A2S4A03-001M-00				Shielded	
APMU-1DS4B1S4B05-001M-00	M8 S-Female B Code to M8 S-Female B Code 5 Pos Cable 5C Black L=0.1M	5		PVC	Unshielded
APMS-1DS4B1S4B05-001M-00				Shielded	
APMU-1DS4B2S4B05-001M-00				PUR	Unshielded
APMS-1DS4B2S4B05-001M-00				Shielded	
APMU-1DS4D1S4D04-001M-00	M8 S-Female D Code to M8 S-Female D Code 4 Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DS4D1S4D04-001M-00				Shielded	
APMU-1DS4D2S4D04-001M-00				PUR	Unshielded
APMS-1DS4D2S4D04-001M-00				Shielded	

M8 Series Both Ended Connector A/B/D Coding Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded	
APMU-1DS4A1R4A03-001M-00	M8 S-Female A Code to M8 R-Female A Code 3 Pos Cable 3C Black L=0.1M	3		PVC	Unshielded	
APMS-1DS4A1R4A03-001M-00					Shielded	
APMU-1DS4A2R4A03-001M-00				PUR	Unshielded	
APMS-1DS4A2R4A03-001M-00					Shielded	
APMU-1DS4B1R4B05-001M-00	M8 S-Female B Code to M8 R-Female B Code 5 Pos Cable 5C Black L=0.1M	5			PVC	Unshielded
APMS-1DS4B1R4B05-001M-00						Shielded
APMU-1DS4B2R4B05-001M-00					PUR	Unshielded
APMS-1DS4B2R4B05-001M-00						Shielded
APMU-1DS4D1R4D04-001M-00	M8 S-Female D Code to M8 R-Female D Code 4 Pos Cable 4C Black L=0.1M	4			PVC	Unshielded
APMS-1DS4D1R4D04-001M-00						Shielded
APMU-1DS4D2R4D04-001M-00					PUR	Unshielded
APMS-1DS4D2R4D04-001M-00						Shielded
APMU-1DR4A1R4A03-001M-00	M8 R-Female A Code to M8 R-Female A Code 3 Pos Cable 3C Black L=0.1M	3			PVC	Unshielded
APMS-1DR4A1R4A03-001M-00						Shielded
APMU-1DR4A2R4A03-001M-00					PUR	Unshielded
APMS-1DR4A2R4A03-001M-00						Shielded
APMU-1DR4B1R4B05-001M-00	M8 R-Female B Code to M8 R-Female B Code 5 Pos Cable 5C Black L=0.1M	5			PVC	Unshielded
APMS-1DR4B1R4B05-001M-00						Shielded
APMU-1DR4B2R4B05-001M-00					PUR	Unshielded
APMS-1DR4B2R4B05-001M-00						Shielded
APMU-1DR4D1R4D04-001M-00	M8 R-Female D Code to M8 R-Female D Code 4 Pos Cable 4C Black L=0.1M	4			PVC	Unshielded
APMS-1DR4D1R4D04-001M-00						Shielded
APMU-1DR4D2R4D04-001M-00					PUR	Unshielded
APMS-1DR4D2R4D04-001M-00						Shielded

M8 Series Product Parameters

Material

- Contact: Brass, Gold Flash Plating
- Nut: Brass, Nickel Plating
- O-Ring: Silicon Rubber
- Housing: PA
- Over-Molding: PVC or TPU
- Over-Molding Color: Black or Gray

Key Options: A or B or D Coded

M8 Positions: A Coded 3,4,6,8 Poles, B Code 5 Poles, D Code 4 Poles

M8 Single or Both Ended Cable Assembly

Cable Length Options: Custom

Cable Specification

Cable Jacket: PVC or PUR
 Cable Assembly:
 Shielded or UnShielded Versions
 Jacket Color: Black or Gray
 Conductor:
 ≤3A 26AWG/28AWG
 >3A 24AWG/26AWG

Mechanical

Durability: 100 Cycles
 Degree of Protection: IP67
 Temperature Range:
 -PVC:
 Fixed: -40°C to +80°C
 Flexible: -20°C to +80°C
 -PUR:
 Fixed: -40°C to +80°C
 Flexible: -20°C to +80°C

Electrical

Current Rating:
 A Code 3Poles or 4Poles: 4A
 A Code 6Poles or 4Poles: 1.5A
 B Code 5Poles: 3A
 D Code 4Poles: 4A

Voltage Rating

3-4Poles: 60V
 5-8Poles: 30V
 Insulation Resistance: 100MΩ Min.

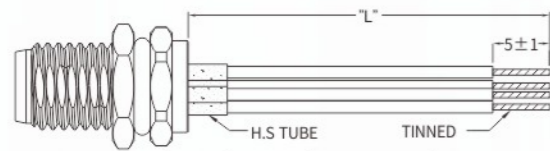
Applications

- Industrial Communications
- Industrial Machinery
- Industrial Automation
- Robotics
- Machine Tools
- Semiconductor Manufacturing
- Manufacturing of Solenoid And Sensor Valves
- Process Control Systems
- Vision Systems
- Electronics Manufacturing

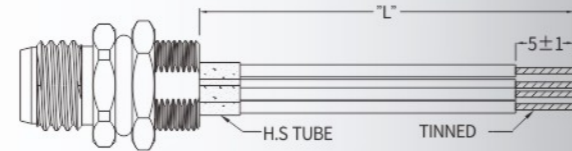
Benefits

M8 Cable Assembly are IP67 sealed and tested in FPIC's factory to eliminate the possibility of false wiring or to ensure robust connection
 Reduce downtime in harsh environments with reliable industry standard solution that including quick turn, prototype cable Assembly.
 Full solution offering including customized and general market cable Assembly enables one-stopshopping and reduced TCO.

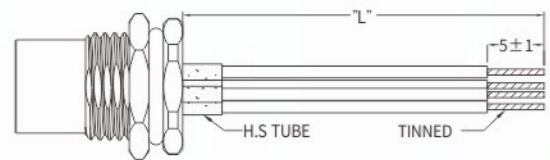
M8 Series A Coding Board Ended Connector Harness Assembly Definition



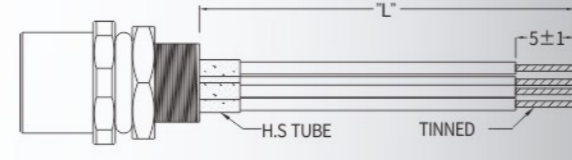
M8 Series Plate End Front Lock Nut Type Male Connector



M8 Series Plate End Rear Lock Nut Type Male Connector



M8 Series Plate End Front Lock Nut Type Female Connector



M8 Series Plate End Rear Lock Nut Type Female Connector

M8 Series A/B/D Coding Board Ended Connector Harness Assembly

Part Number	Part Description	Poles	Type	Wire Material
APMB-F3A0203AW1-001M-00	M8 Male A Code / Contact Plating Gold 3u"/ Front Lock Nut/ Wire 3C L=0.1M	3		PVC
APMB-F3A0203AW2-001M-00				TPU
APMB-F3A0203AW3-001M-00				PTFE
APMB-F3B0205AW1-001M-00	M8 Male B Code / Contact Plating Gold 3u"/ Front Lock Nut/ Wire 5C L=0.1M	5		PVC
APMB-F3B0205AW2-001M-00				TPU
APMB-F3B0205AW3-001M-00				PTFE
APMB-F3D0204AW1-001M-00	M8 Male D Code / Contact Plating Gold 3u"/ Front Lock Nut/ Wire 4C L=0.1M	4		PVC
APMB-F3D0204AW2-001M-00				TPU
APMB-F3D0204AW3-001M-00				PTFE
APMB-B3A0203AW1-001M-00	M8 Male A Code / Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 3C L=0.1M	3		PVC
APMB-B3A0203AW2-001M-00				TPU
APMB-B3A0203AW3-001M-00				PTFE
APMB-B3B0205AW1-001M-00	M8 Male B Code / Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 5C L=0.1M	5		PVC
APMB-B3B0205AW2-001M-00				TPU
APMB-B3B0205AW3-001M-00				PTFE
APMB-B3D0204AW1-001M-00	M8 Male D Code / Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 4C L=0.1M	4		PVC
APMB-B3D0204AW2-001M-00				TPU
APMB-B3D0204AW3-001M-00				PTFE
APMB-F4A0203AW1-001M-00	M8 Female A Code / Contact Plating Gold 3u"/ Front Lock Nut/ Wire 3C L=0.1M	3		PVC
APMB-F4A0203AW2-001M-00				TPU
APMB-F4A0203AW3-001M-00				PTFE
APMB-F4B0205AW1-001M-00	M8 Female B Code / Contact Plating Gold 3u"/ Front Lock Nut/ Wire 5C L=0.1M	5		PVC
APMB-F4B0205AW2-001M-00				TPU
APMB-F4B0205AW3-001M-00				PTFE
APMB-F4D0204AW1-001M-00	M8 Female D Code / Contact Plating Gold 3u"/ Front Lock Nut/ Wire 4C L=0.1M	4		PVC
APMB-F4D0204AW2-001M-00				TPU
APMB-F4D0204AW3-001M-00				PTFE

M8 Series A/B/D Coding Board Ended Connector Harness Assembly

Part Number	Part Description	Poles	Type	Wire Material
APMB-F4A0203AW1-001M-00	M8 Female A Code /Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 3C L=0.1M	3		PVC
APMB-F4A0203AW2-001M-00				TPU
APMB-F4A0203AW3-001M-00				PTFE
APMB-B4B0205AW1-001M-00	M8 Female B Code /Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 5C L=0.1M	5		PVC
APMB-B4B0205AW2-001M-00				TPU
APMB-B4B0205AW3-001M-00				PTFE
APMB-B4D0204AW1-001M-00	M8 Female D Code /Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 4C L=0.1M	4		PVC
APMB-B4D0204AW2-001M-00				TPU
APMB-B4D0204AW3-001M-00				PTFE

M8 Series Board End Product Parameters

Material

- Contact: Brass, Gold Flash Plating
- Nut: Brass, Nickel Plating
- O-Ring: Silicon Rubber
- Housing: PA
- M8 Positions:A Coded 3,4,6,8 Poles, B Code 5 Poles, D Code 4 Poles
- Wire Length Options: Custom

Wire or Cable Specifications

Wire or Cable Specifications:
 Cable Jacket: PVC or PUR
 Wire Jacket: PVC or PUR or PTFE
 Conductor:
 ≤3A 26AWG/28AWG
 >3A 24AWG/26AWG

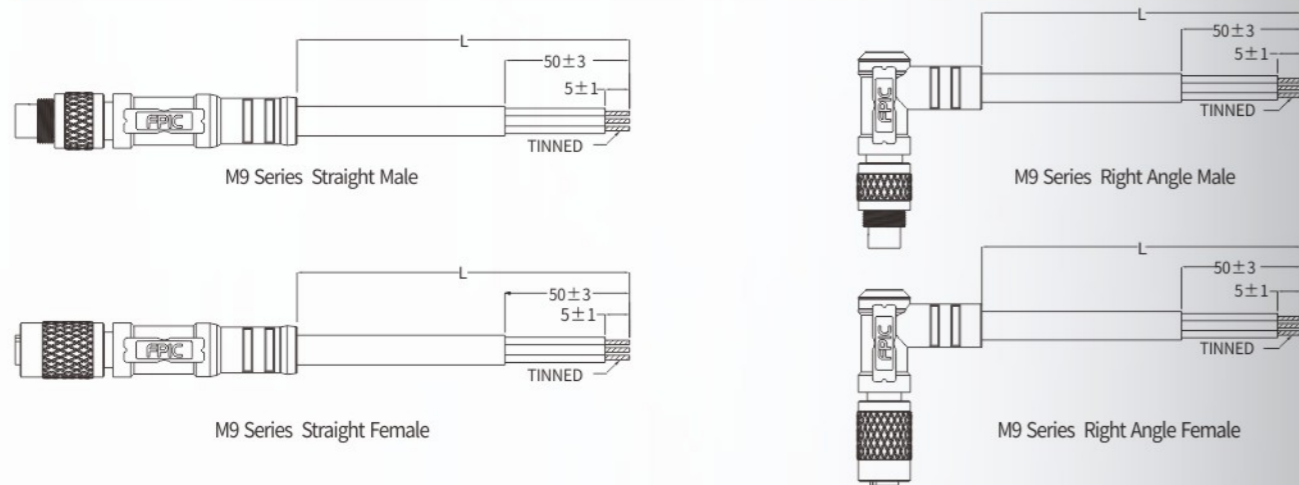
Mechanical

Durability:100 Cycles
 Degree of Protection: IP67
 Temperature Range:
 -PVC Wire:
 Fixed: -40°C to +80°C
 -PUR Wire:
 Fixed: -40°C to +80°C
 -PTFE Wire:
 Fixed: -100°C to +200°C

Electrical

Current Rating:
 A Code 3Poles or 4Poles: 4A
 A Code 6Poles or 4Poles: 1.5A
 B Code 5Poles: 3A
 D Code 4Poles: 4A
 Voltage Rating:
 3-4Poles: 60V
 5-8Poles: 30V
 Insulation Resistance:100MΩ Min.

M9 Series Molding Type



M9 Series Coding Electrical Parameters

Interface Code Type	Pins	Male	Rated Current	Rated Voltage	Max. Conductor Size		Female
					AWG	mm ²	
A	2		4A	125V	24AWG	0.25	
	3		4A	125V	24AWG	0.25	
	4		3A	125V	26AWG	0.14	
	5		3A	125V	26AWG	0.14	
	7		1A	125V	26AWG	0.14	
	8		1A	125V	26AWG	0.14	

M9 Series Cable Color Definition

From Poles	M9 Wire Core Color		To Poles	From Poles	M9 Wire Core Color		To Poles
	2 Poles				3 Poles		
1	BN		1	1	BN		1
2	BU		2	2	BU		2
				3	BK		3

From Poles	M9 Wire Core Color		To Poles	From Poles	M9 Wire Core Color		To Poles
	4 Poles				5 Poles		
1	BN		1	1	BN		1
2	WH		2	2	WH		2
3	BU		3	3	BU		3
4	BK		4	4	BK		4
				5	GY		5

From Poles	M9 Wire Core Color		To Poles	From Poles	M9 Wire Core Color		To Poles
	6 Poles				7 Poles		
1	BN		1	1	WH		1
2	WH		2	2	BN		2
3	BU		3	3	GN		3
4	BK		4	4	YE		4
5	GY		5	5	GY		5
6	PK		6	6	PK		6
				7	BU		7

From Poles	M9 Wire Core Color		To Poles
	8 Poles		
1	WH		1
2	BN		2
3	GN		3
4	YE		4
5	GY		5
6	PK		6
7	BU		7
8	RE		8

M9 Series Product Parameter

Material

- Contact: Brass, Gold Flash Plating
- Nut: Brass, Nickel Plating Shielded or UnShielded Versions
- O-Ring: Silicon Rubber
- Housing: PA
- Over-Molding: PVC or TPU
- Over-Molding Color: Black or Gray
- Key Options: A Coded
- M9 Positions: 2,3,4,5,7,8 Poles
- M9 Single or Both Ended Cable Assembly
- Cable Length Options: Custom

Cable Specifications

Cable Jacket: PVC or PUR
 Cable Assembly:
 Jacket Color: Black or Gray
 Conductor:
 ≤3A 26AWG/28AWG
 >3A 24AWG/26AWG

Mechanical

Durability:100 Cycles
 Degree of Protection: IP67
 Temperature Range:
 -PVC:
 Fixed: -40°C to +80°C
 Flexible: -20°C to +80°C
 -PUR:
 Fixed: -40°C to +80°C
 Flexible: -20°C to +80°C











Electrical

Current Rating:
 2Poles or 3Poles: 4A
 4Poles or 5Poles: 3A
 7Poles or 8Poles: 1A
 Voltage Rating : 125V
 Insulation Resistance: 100MΩ Min.











M9 Series Single Ended Connector Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1SS5A1NNN03-001M-00	M9 S-Male A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1SS5A1NNN03-001M-00				PUR	Shielded
APMU-1SS5A2NNN03-001M-00				PVC	Unshielded
APMS-1SS5A2NNN03-001M-00				PUR	Shielded
APMU-1SS5A1NNN04-001M-00	M9 S-Male A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1SS5A1NNN04-001M-00				PUR	Shielded
APMU-1SS5A2NNN04-001M-00				PVC	Unshielded
APMS-1SS5A2NNN04-001M-00				PUR	Shielded
APMU-1SR5A1NNN03-001M-00	M9 R-Male A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1SR5A1NNN03-001M-00				PUR	Shielded
APMU-1SR5A2NNN03-001M-00				PVC	Unshielded
APMS-1SR5A2NNN03-001M-00				PUR	Shielded
APMU-1SR5A1NNN04-001M-00	M9 R-Male A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1SR5A1NNN04-001M-00				PUR	Shielded
APMU-1SR5A2NNN04-001M-00				PVC	Unshielded
APMS-1SR5A2NNN04-001M-00				PUR	Shielded
APMU-1SS6A1NNN03-001M-00	M9 S-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1SS6A1NNN03-001M-00				PUR	Shielded
APMU-1SS6A2NNN03-001M-00				PVC	Unshielded
APMS-1SS6A2NNN03-001M-00				PUR	Shielded
APMU-1SS6A1NNN04-001M-00	M9 S-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1SS6A1NNN04-001M-00				PUR	Shielded
APMU-1SS6A2NNN04-001M-00				PVC	Unshielded
APMS-1SS6A2NNN04-001M-00				PUR	Shielded
APMU-1SR6A1NNN03-001M-00	M9 R-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1SR6A1NNN03-001M-00				PUR	Shielded
APMU-1SR6A2NNN03-001M-00				PVC	Unshielded
APMS-1SR6A2NNN03-001M-00				PUR	Shielded
APMU-1SR6A1NNN04-001M-00	M9 R-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1SR6A1NNN04-001M-00				PUR	Shielded
APMU-1SR6A2NNN04-001M-00				PVC	Unshielded
APMS-1SR6A2NNN04-001M-00				PUR	Shielded

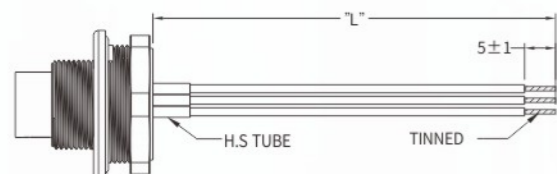
M9 Series Both Ended Connector Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1DS5A1S5A03-001M-00	M9 S-Male A Code to M9 S-Male A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DS5A1S5A03-001M-00				PVC	Shielded
APMU-1DS5A2S5A03-001M-00				PUR	Unshielded
APMS-1DS5A2S5A03-001M-00				PUR	Shielded
APMU-1DS5A1S5A04-001M-00	M9 S-Male A Code to M9 S-Male A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DS5A1S5A04-001M-00				PVC	Shielded
APMU-1DS5A2S5A04-001M-00				PUR	Unshielded
APMS-1DS5A2S5A04-001M-00				PUR	Shielded
APMU-1DS5A1R5A03-001M-00	M9 S-Male A Code to M9 R-Male A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DS5A1R5A03-001M-00				PVC	Shielded
APMU-1DS5A2R5A03-001M-00				PUR	Unshielded
APMS-1DS5A2R5A03-001M-00				PUR	Shielded
APMU-1DS5A1R5A04-001M-00	M9 S-Male A Code to M9 R-Male A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DS5A1R5A04-001M-00				PVC	Shielded
APMU-1DS5A2R5A04-001M-00				PUR	Unshielded
APMS-1DS5A2R5A04-001M-00				PUR	Shielded
APMS-1DS5A1S6A03-001M-00	M9 S-Male A Code to M9 S-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMU-1DS5A2S6A03-001M-00				PVC	Shielded
APMS-1DS5A2S6A03-001M-00				PUR	Unshielded
APMU-1DS5A1S6A04-001M-00				PUR	Shielded
APMS-1DS5A1S6A04-001M-00	M9 S-Male A Code to M9 S-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMU-1DS5A2S6A04-001M-00				PVC	Shielded
APMS-1DS5A2S6A04-001M-00				PUR	Unshielded
APMS-1DS5A1S6A03-001M-00				PUR	Shielded
APMU-1DS5A1R6A03-001M-00	M9 S-Male A Code To M9 R-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DS5A1R6A03-001M-00				PVC	Shielded
APMU-1DS5A2R6A03-001M-00				PUR	Unshielded
APMS-1DS5A2R6A03-001M-00				PUR	Shielded
APMU-1DS5A1R6A04-001M-00	M9 S-Male A Code to M9 R-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DS5A1R6A04-001M-00				PVC	Shielded
APMU-1DS5A2R6A04-001M-00				PUR	Unshielded
APMS-1DS5A2R6A04-001M-00				PUR	Shielded
APMU-1DR5A1R5A03-001M-00	M9 R-Male A Code to M9 R-Male A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DR5A1R5A03-001M-00				PVC	Shielded
APMU-1DR5A2R5A03-001M-00				PUR	Unshielded
APMS-1DR5A2R5A03-001M-00				PUR	Shielded
APMU-1DR5A1R5A04-001M-00	M9 R-Male A Code to M9 R-Male A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DR5A1R5A04-001M-00				PVC	Shielded
APMU-1DR5A2R5A04-001M-00				PUR	Unshielded
APMS-1DR5A2R5A04-001M-00				PUR	Shielded

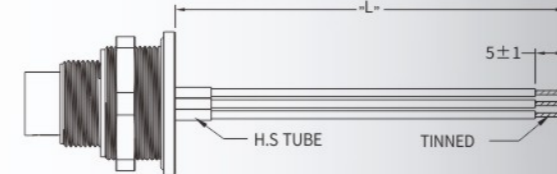
M9 Series Both Ended Connector Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1DR5A1S6A03-001M-00	M9 R-Male A Code to M9 S-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DR5A1S6A03-001M-00				PVC	Shielded
APMU-1DR5A2S6A03-001M-00				PUR	Unshielded
APMS-1DR5A2S6A03-001M-00				PUR	Shielded
APMU-1DR5A1S6A04-001M-00	M9 R-Male A Code to M9 S-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DR5A1S6A04-001M-00				PVC	Shielded
APMU-1DR5A2S6A04-001M-00				PUR	Unshielded
APMS-1DR5A2S6A04-001M-00				PUR	Shielded
APMU-1DR5A1R6A03-001M-00	M9 R-Male A Code to M9 R-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DR5A1R6A03-001M-00				PVC	Shielded
APMU-1DR5A2R6A03-001M-00				PUR	Unshielded
APMS-1DR5A2R6A03-001M-00				PUR	Shielded
APMU-1DR5A1R6A04-001M-00	M9 R-Male A Code to M9 R-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DR5A1R6A04-001M-00				PVC	Shielded
APMU-1DR5A2R6A04-001M-00				PUR	Unshielded
APMS-1DR5A2R6A04-001M-00				PUR	Shielded
APMU-1DS6A1S6A03-001M-00	M9 S-Female A Code to M9 S-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DS6A1S6A03-001M-00				PVC	Shielded
APMU-1DS6A2S6A03-001M-00				PUR	Unshielded
APMS-1DS6A2S6A03-001M-00				PUR	Shielded
APMU-1DS6A1S6A04-001M-00	M9 S-Female A Code to M9 S-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DS6A1S6A04-001M-00				PVC	Shielded
APMU-1DS6A2S6A04-001M-00				PUR	Unshielded
APMS-1DS6A2S6A04-001M-00				PUR	Shielded
APMU-1DS6A1R6A03-001M-00	M9 S-Female A Code to M9 R-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DS6A1R6A03-001M-00				PVC	Shielded
APMU-1DS6A2R6A03-001M-00				PUR	Unshielded
APMS-1DS6A2R6A03-001M-00				PUR	Shielded
APMU-1DS6A1R6A04-001M-00	M9 S-Female A Code to M9 R-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DS6A1R6A04-001M-00				PVC	Shielded
APMU-1DS6A2R6A04-001M-00				PUR	Unshielded
APMS-1DS6A2R6A04-001M-00				PUR	Shielded
APMU-1DR6A1R6A03-001M-00	M9 R-Female A Code to M9 R-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DR6A1R6A03-001M-00				PVC	Shielded
APMU-1DR6A2R6A03-001M-00				PUR	Unshielded
APMS-1DR6A2R6A03-001M-00				PUR	Shielded
APMU-1DR6A1R6A04-001M-00	M9 R-Female A Code to M9 R-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DR6A1R6A04-001M-00				PVC	Shielded
APMU-1DR6A2R6A04-001M-00				PUR	Unshielded
APMS-1DR6A2R6A04-001M-00				PUR	Shielded

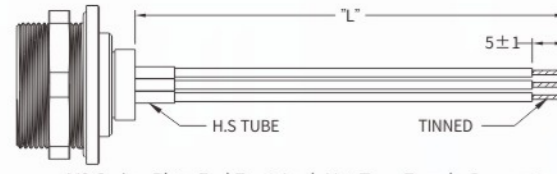
M9 Series Board Ended Connector Harness Assembly Definition



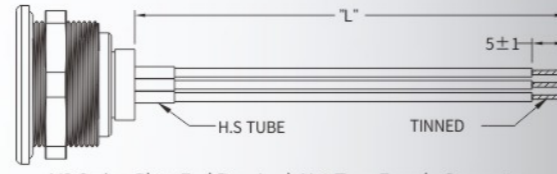
M9 Series Plate End Front Lock Nut Type Male Connector



M9 Series Plate End Rear Lock Nut Type Male Connector



M9 Series Plate End Front Lock Nut Type Female Connector



M9 Series Plate End Rear Lock Nut Type Female Connector

Material

- Contact: Brass, Gold Flash Plating
- Nut: Brass, Nickel Plating
- O-Ring: Silicon Rubber
- Housing: PA
- Key Options: A Coded
- M9 Positions: 2,3,4,5,7,8 Poles
- Wire Length Options: Custom

Wire or Cable Specification

- Cable Jacket: PVC or PUR
- Wire Jacket: PVC or PUR or PTFE
- Conductor:
 - ≤3A 26AWG/28AWG
 - >3A 24AWG/26AWG

Mechanical

- Durability: 100 Cycles
- Degree of Protection: IP67
- Temperature Range:
 - PVC Wire: Fixed: -40°C To +80°C
 - PUR Wire: Fixed: -40°C to +80°C
 - PTFE Wire: Fixed: -100°C to +200°C

Electrical

- Current Rating:
 - 2Poles or 3Poles: 4A
 - 4Poles or 5Poles: 3A
 - 7Poles or 8Poles: 1A
- Voltage Rating: 120V
- Insulation Resistance: 100MΩ Min.

M9 Series Board Ended Connector Harness Assembly

Part Number	Part Description	Poles	Type	Wire Material	
APMB-50203A3FW1-001M-00	M9 Male A Code /Contact Plating Gold 3u"/ Front Lock Nut/ Wire 3C L=0.1M	3		PVC	
APMB-50203A3FW2-001M-00				TPU	
APMB-50203A3FW3-001M-00				PTFE	
APMB-50204A3FW1-001M-00	M9 Male A Code /Contact Plating Gold 3u"/ Front Lock Nut/ Wire 4C L=0.1M	4		PVC	
APMB-50204A3FW2-001M-00				TPU	
APMB-50204A3FW3-001M-00				PTFE	
APMB-50205A3FW1-001M-00	M9 Male A Code /Contact Plating Gold 3u"/ Front Lock Nut/ Wire 5C L=0.1M	5		PVC	
APMB-50205A3FW2-001M-00				TPU	
APMB-50205A3FW3-001M-00				PTFE	
APMB-50203A3BW1-001M-00	M9 Male A Code /Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 3C L=0.1M	3			PVC
APMB-50203A3BW2-001M-00					TPU
APMB-50203A3BW3-001M-00					PTFE
APMB-50204A3BW1-001M-00	M9 Male A Code /Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 4C L=0.1M	4	PVC		
APMB-50204A3BW2-001M-00			TPU		
APMB-50204A3BW3-001M-00			PTFE		
APMB-50205A3BW1-001M-00	M9 Male A Code /Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 5C L=0.1M	5	PVC		
APMB-50205A3BW2-001M-00			TPU		
APMB-50205A3BW3-001M-00			PTFE		
APMB-60203A3FW1-001M-00	M9 Female A Code /Contact Plating Gold 3u"/ Front Lock Nut/ Wire 3C L=0.1M	3			PVC
APMB-60203A3FW2-001M-00					TPU
APMB-60203A3FW3-001M-00					PTFE
APMB-60204A3FW1-001M-00	M9 Female A Code /Contact Plating Gold 3u"/ Front Lock Nut/ Wire 4C L=0.1M	4		PVC	
APMB-60204A3FW2-001M-00				TPU	
APMB-60204A3FW3-001M-00				PTFE	
APMB-60205A3FW1-001M-00	M9 Female A Code /Contact Plating Gold 3u"/ Front Lock Nut/ Wire 5C L=0.1M	5		PVC	
APMB-60205A3FW2-001M-00				TPU	
APMB-60205A3FW3-001M-00				PTFE	
APMB-60203A3BW1-001M-00	M9 Female A Code /Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 3C L=0.1M	3			PVC
APMB-60203A3BW2-001M-00					TPU
APMB-60203A3BW3-001M-00					PTFE
APMB-60204A3BW1-001M-00	M9 Female A Code /Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 4C L=0.1M	4	PVC		
APMB-60204A3BW2-001M-00			TPU		
APMB-60204A3BW3-001M-00			PTFE		
APMB-60205A3BW1-001M-00	M9 Female A Code /Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 5C L=0.1M	5	PVC		
APMB-60205A3BW2-001M-00			TPU		
APMB-60205A3BW3-001M-00			PTFE		

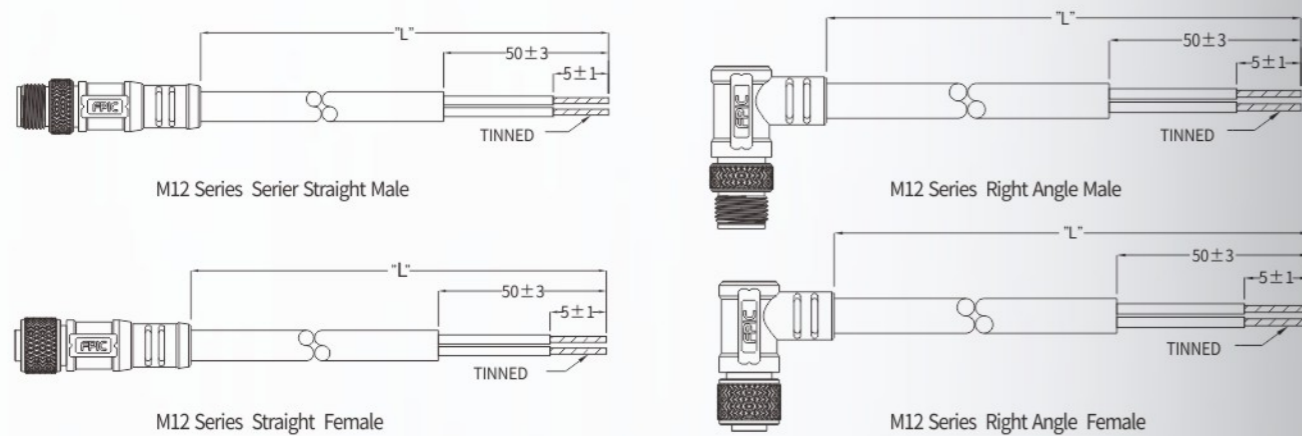
M12 Series Cable Assembly Solutions

M12 cable assemblies are designed for applications such as sensors, robotics & production machinery & equipment, where extreme temperatures and harsh environments are likely to be encountered. These cable assemblies are also ideal for non-industrial applications where compact, robust and reliable connections are required to withstand rigorous environmental elements. Assemblies are produced in many customer-specific plug-and-play configurations to enable design flexibility and quick installation in most industrial environments. Applications for the new assemblies lie in numerous areas of industry, including process control systems, robotics and automation, production equipment, machine tools and material handling.

FPIC's M12 cable assemblies are available as single-ended or double-ended, in straight and angled versions, all shielded variants. Various cable types are offered depending on the application requirements. While customized cable assemblies in different lengths provide a solution for specific needs. All can be used in combination with FPIC's male/female connectors.

- M12 Cable Assemblies are IP67 sealed and tested in FPIC's factory to eliminate the possibility of false wiring & to ensure robust connection
- Reduce downtime in harsh environments with reliable industry standard solution that includes quick turn, prototype cable assemblies.
- Full solution offering including customized and general market cable assemblies enables 1-stopshopping and reduced TCO

M12 Series Molding Type



M12 Series A/B/C/D Coding Electrical Parameters

Number of Positions	Male				Rated Current	Rated Voltage	Max. Conductor Size		Female			
	Code								Code			
	A	B	C	D					A	B	C	D
2					4A	250V	22	0.34				
3					4A	250V	22	0.34				
4					4A	250V	22	0.34				
5					A&B Code 4A C Code 2A	60V	22	0.34				
6					2A	30V	24	0.25				
8					2A	30V	24	0.25				
12					1.5A	30V	26	0.14				
17					1.5A	30V	26	0.14				

M12 Series A/B/C/D Coding Cable Color Definition

From Poles	Wire Core Color		To Poles	From Poles	Wire Core Color		To Poles
	2 Poles				3 Poles		
1	BN		1	1	BN		1
2	BU		2	2	BU		2
				3	BK		3

From Poles	Wire Core Color		To Poles	From Poles	Wire Core Color		To Poles
	6 Poles				5 Poles		
1	BN		1	1	BN		1
2	WH		2	2	WH		2
3	BU		3	3	BU		3
4	BK		4	4	BK		4
5	GY		5	5	GY		5
6	RD		6				

From Poles	Wire Core Color				To Poles
	4 Poles AorB-Code		4 Poles D-Code		
1	BN		YE		1
2	WH		WH		2
3	BU		OG		3
4	BK		BU		4

From Poles	Wire Core Color		To Poles	From Poles	Wire Core Color		To Poles
	12 Poles				17 Poles		
1	BN		1	1	BN		1
2	BU		2	2	BU		2
3	WH		3	3	WH		3
4	GN		4	4	GN		4
5	PK		5	5	PK		5
6	YE		6	6	YE		6
7	BK		7	7	BK		7
8	GY		8	8	GY		8
9	RD		9	9	RD		9
10	VT		10	10	VT		10
11	OG		11	11	OG		11
12	LTGN		12	12	LTGN		12
				13	LTBU		13
				14	BK/WH		14
				15	BN/WH		15
				16	RD/WH		16
				17	BU/WH		17

M12 Series Single Ended Connector A/B/C/D Coding Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1SS7A1NNN03-001M-00	M12 S-Male A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1SS7A1NNN03-001M-00				PVC	Shielded
APMU-1SS7A2NNN03-001M-00				PUR	Unshielded
APMS-1SS7A2NNN03-001M-00				PUR	Shielded
APMU-1SS7B1NNN04-001M-00	M12 S-Male B Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1SS7B1NNN04-001M-00				PVC	Shielded
APMU-1SS7B2NNN04-001M-00				PUR	Unshielded
APMS-1SS7B2NNN04-001M-00				PUR	Shielded
APMU-1SS7C1NNN05-001M-00	M12 S-Male C Code 5Pos Cable 5C Black L=0.1M	5	PVC	Unshielded	
APMS-1SS7C1NNN05-001M-00			PVC	Shielded	
APMU-1SS7C2NNN05-001M-00			PUR	Unshielded	
APMS-1SS7C2NNN05-001M-00			PUR	Shielded	
APMU-1SS7D1NNN04-001M-00	M12 S-Male D Code 4Pos Cable 4C Black L=0.1M	4	PVC	Unshielded	
APMS-1SS7D1NNN04-001M-00			PVC	Shielded	
APMU-1SS7D2NNN04-001M-00			PUR	Unshielded	
APMS-1SS7D2NNN04-001M-00			PUR	Shielded	
APMU-1SR7A1NNN03-001M-00	M12 R-Male A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1SR7A1NNN03-001M-00				PVC	Shielded
APMU-1SR7A2NNN03-001M-00				PUR	Unshielded
APMS-1SR7A2NNN03-001M-00				PUR	Shielded
APMU-1SR7B1NNN04-001M-00	M12 R-Male B Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1SR7B1NNN04-001M-00				PVC	Shielded
APMU-1SR7B2NNN04-001M-00				PUR	Unshielded
APMS-1SR7B2NNN04-001M-00				PUR	Shielded
APMU-1SR7C1NNN05-001M-00	M12 R-Male C Code 5Pos Cable 5C Black L=0.1M	5		PVC	Unshielded
APMS-1SR7C1NNN05-001M-00				PVC	Shielded
APMU-1SR7C2NNN05-001M-00				PUR	Unshielded
APMS-1SR7C2NNN05-001M-00				PUR	Shielded
APMU-1SR7D1NNN04-001M-00	M12 R-Male D Code 4Pos Cable 4C Black L=0.1M	4	PVC	Unshielded	
APMS-1SR7D1NNN04-001M-00			PVC	Shielded	
APMU-1SR7D2NNN04-001M-00			PUR	Unshielded	
APMS-1SR7D2NNN04-001M-00			PUR	Shielded	

M12 Series Single Ended Connector A/B/C/D Coding Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded	
APMU-1SS8A1NNN03-001M-00	M12 S-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded	
APMS-1SS8A1NNN03-001M-00					Shielded	
APMU-1SS8A2NNN03-001M-00				PUR	Unshielded	
APMS-1SS8A2NNN03-001M-00					Shielded	
APMU-1SS8B1NNN04-001M-00	M12 S-Female B Code 4Pos Cable 4C Black L=0.1M	4			PVC	Unshielded
APMS-1SS8B1NNN04-001M-00						Shielded
APMU-1SS8B2NNN04-001M-00					PUR	Unshielded
APMS-1SS8B2NNN04-001M-00						Shielded
APMU-1SS8C1NNN05-001M-00	M12 S-Female C Code 5Pos Cable 5C Black L=0.1M	5			PVC	Unshielded
APMS-1SS8C1NNN05-001M-00						Shielded
APMU-1SS8C2NNN05-001M-00					PUR	Unshielded
APMS-1SS8C2NNN05-001M-00						Shielded
APMU-1SS8D1NNN04-001M-00	M12 S-Female D Code 4Pos Cable 4C Black L=0.1M	4			PVC	Unshielded
APMS-1SS8D1NNN04-001M-00						Shielded
APMU-1SS8D2NNN04-001M-00					PUR	Unshielded
APMS-1SS8D2NNN04-001M-00						Shielded
APMU-1SR8A1NNN03-001M-00	M12 R-Female A Code 3Pos Cable 3C Black L=0.1M	3			PVC	Unshielded
APMS-1SR8A1NNN03-001M-00						Shielded
APMU-1SR8A2NNN03-001M-00					PUR	Unshielded
APMS-1SR8A2NNN03-001M-00						Shielded
APMU-1SR8B1NNN04-001M-00	M12 R-Female B Code 4Pos Cable 4C Black L=0.1M	4			PVC	Unshielded
APMS-1SR8B1NNN04-001M-00						Shielded
APMU-1SR8B2NNN04-001M-00					PUR	Unshielded
APMS-1SR8B2NNN04-001M-00						Shielded
APMU-1SR8C1NNN05-001M-00	M12 R-Female C Code 5Pos Cable 5C Black L=0.1M	5			PVC	Unshielded
APMS-1SR8C1NNN05-001M-00						Shielded
APMU-1SR8C2NNN05-001M-00					PUR	Unshielded
APMS-1SR8C2NNN05-001M-00						Shielded
APMU-1SR8D1NNN04-001M-00	M12 R-Female D Code 4Pos Cable 4C Black L=0.1M	4			PVC	Unshielded
APMS-1SR8D1NNN04-001M-00						Shielded
APMU-1SR8D2NNN04-001M-00					PUR	Unshielded
APMS-1SR8D2NNN04-001M-00						Shielded

M12 Series Both Ended Connector A/B/C/D Coding Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded	
APMU-1DS7A1S7A03-001M-00	M12 S-Male A Code to M12 S-Male A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded	
APMS-1DS7A1S7A03-001M-00					Shielded	
APMU-1DS7A2S7A03-001M-00				PUR	Unshielded	
APMS-1DS7A2S7A03-001M-00					Shielded	
APMU-1DS7B1S7B04-001M-00	M12 S-Male B Code to M12 S-Male B Code 4Pos Cable 4C Black L=0.1M	4			PVC	Unshielded
APMS-1DS7B1S7B04-001M-00						Shielded
APMU-1DS7B2S7B04-001M-00					PUR	Unshielded
APMS-1DS7B2S7B04-001M-00						Shielded
APMU-1DS7C1S7C05-001M-00	M12 S-Male C Code to M12 S-Male C Code 5Pos Cable 5C Black L=0.1M	5			PVC	Unshielded
APMS-1DS7C1S7C05-001M-00						Shielded
APMU-1DS7C2S7C05-001M-00					PUR	Unshielded
APMS-1DS7C2S7C05-001M-00						Shielded
APMU-1DS7D1S7D04-001M-00	M12 S-Male D Code to M12 S-Male D Code 4Pos Cable 4C Black L=0.1M	4			PVC	Unshielded
APMS-1DS7D1S7D04-001M-00						Shielded
APMU-1DS7D2S7D04-001M-00					PUR	Unshielded
APMS-1DS7D2S7D04-001M-00						Shielded
APMU-1DS7A1R7A03-001M-00	M12 S-Male A Code to M12 R-Male A Code 3Pos Cable 3C Black L=0.1M	3			PVC	Unshielded
APMS-1DS7A1R7A03-001M-00						Shielded
APMU-1DS7A2R7A03-001M-00					PUR	Unshielded
APMS-1DS7A2R7A03-001M-00						Shielded
APMU-1DS7B1R7B04-001M-00	M12 S-Male B Code to M12 R-Male B Code 4Pos Cable 4C Black L=0.1M	4			PVC	Unshielded
APMS-1DS7B1R7B04-001M-00						Shielded
APMU-1DS7B2R7B04-001M-00					PUR	Unshielded
APMS-1DS7B2R7B04-001M-00						Shielded
APMU-1DS7C1R7C05-001M-00	M12 S-Male C Code to M12 R-Male C Code 5Pos Cable 5C Black L=0.1M	5			PVC	Unshielded
APMS-1DS7C1R7C05-001M-00						Shielded
APMU-1DS7C2R7C05-001M-00					PUR	Unshielded
APMS-1DS7C2R7C05-001M-00						Shielded
APMU-1DS7D1R7D04-001M-00	M12 S-Male D Code to M12 R-Male D Code 4Pos Cable 4C Black L=0.1M	4			PVC	Unshielded
APMS-1DS7D1R7D04-001M-00						Shielded
APMU-1DS7D2R7D04-001M-00					PUR	Unshielded
APMS-1DS7D2R7D04-001M-00						Shielded

M12 Series Both Ended Connector A/B/C/D Coding Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded	
APMU-1DS7A1S8A03-001M-00	M12 S-Male A Code to M12 S-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded	
APMS-1DS7A1S8A03-001M-00					Shielded	
APMU-1DS7A2S8A03-001M-00				PUR	Unshielded	
APMS-1DS7A2S8A03-001M-00					Shielded	
APMU-1DS7B1S8B04-001M-00	M12 S-Male B Code to M12 S-Female B Code 4Pos Cable 4C Black L=0.1M	4			PVC	Unshielded
APMS-1DS7B1S8B04-001M-00						Shielded
APMU-1DS7B2S8B04-001M-00					PUR	Unshielded
APMS-1DS7B2S8B04-001M-00						Shielded
APMU-1DS7C1S8C05-001M-00	M12 S-Male C Code to M12 S-Female C Code 5Pos Cable 5C Black L=0.1M	5			PVC	Unshielded
APMS-1DS7C1S8C05-001M-00						Shielded
APMU-1DS7C2S8C05-001M-00					PUR	Unshielded
APMS-1DS7C2S8C05-001M-00						Shielded
APMU-1DS7D1S8D04-001M-00	M12 S-Male D Code to M12 S-Female D Code 4Pos Cable 4C Black L=0.1M	4			PVC	Unshielded
APMS-1DS7D1S8D04-001M-00						Shielded
APMU-1DS7D2S8D04-001M-00					PUR	Unshielded
APMS-1DS7D2S8D04-001M-00						Shielded
APMU-1DS7A1R8A03-001M-00	M12 S-Male A Code to M12 R-Female A Code 3Pos Cable 3C Black L=0.1M	3			PVC	Unshielded
APMS-1DS7A1R8A03-001M-00						Shielded
APMU-1DS7A2R8A03-001M-00					PUR	Unshielded
APMS-1DS7A2R8A03-001M-00						Shielded
APMU-1DS7B1R8B04-001M-00	M12 S-Male B Code to M12 R-Female B Code 4Pos Cable 4C Black L=0.1M	4			PVC	Unshielded
APMS-1DS7B1R8B04-001M-00						Shielded
APMU-1DS7B2R8B04-001M-00					PUR	Unshielded
APMS-1DS7B2R8B04-001M-00						Shielded
APMU-1DS7C1R8C05-001M-00	M12 S-Male C Code to M12 R-Female C Code 5Pos Cable 5C Black L=0.1M	5			PVC	Unshielded
APMS-1DS7C1R8C05-001M-00						Shielded
APMU-1DS7C2R8C05-001M-00					PUR	Unshielded
APMS-1DS7C2R8C05-001M-00						Shielded
APMU-1DS7D1R8D04-001M-00	M12 S-Male D Code to M12 R-Female D Code 4Pos Cable 4C Black L=0.1M	4			PVC	Unshielded
APMS-1DS7D1R8D04-001M-00						Shielded
APMU-1DS7D2R8D04-001M-00					PUR	Unshielded
APMS-1DS7D2R8D04-001M-00						Shielded

M12 Series Both Ended Connector A/B/C/D Coding Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded	
APMU-1DR7A1R7A03-001M-00	M12 R-Male A Code to M12 R-Male A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded	
APMS-1DR7A1R7A03-001M-00					Shielded	
APMU-1DR7A2R7A03-001M-00				PUR	Unshielded	
APMS-1DR7A2R7A03-001M-00					Shielded	
APMU-1DR7B1R7B04-001M-00	M12 R-Male B Code to M12 R-Male B Code 4Pos Cable 4C Black L=0.1M	4			PVC	Unshielded
APMS-1DR7B1R7B04-001M-00						Shielded
APMU-1DR7B2R7B04-001M-00					PUR	Unshielded
APMS-1DR7B2R7B04-001M-00						Shielded
APMU-1DR7C1R7C05-001M-00	M12 R-Male C Code to M12 R-Male C Code 5Pos Cable 5C Black L=0.1M	5			PVC	Unshielded
APMS-1DR7C1R7C05-001M-00						Shielded
APMU-1DR7C2R7C05-001M-00					PUR	Unshielded
APMS-1DR7C2R7C05-001M-00						Shielded
APMU-1DR7D1R7D04-001M-00	M12 R-Male D Code to M12 R-Male D Code 4Pos Cable 4C Black L=0.1M	4			PVC	Unshielded
APMS-1DR7D1R7D04-001M-00						Shielded
APMU-1DR7D2R7D04-001M-00					PUR	Unshielded
APMS-1DR7D2R7D04-001M-00						Shielded
APMU-1DR7A1S8A03-001M-00	M12 R-Male A Code to M12 S-Female A Code 3Pos Cable 3C Black L=0.1M	3			PVC	Unshielded
APMS-1DR7A1S8A03-001M-00						Shielded
APMU-1DR7A2S8A03-001M-00					PUR	Unshielded
APMS-1DR7A2S8A03-001M-00						Shielded
APMU-1DR7B1S8B04-001M-00	M12 R-Male B Code to M12 S-Female B Code 4Pos Cable 4C Black L=0.1M	4			PVC	Unshielded
APMS-1DR7B1S8B04-001M-00						Shielded
APMU-1DR7B2S8B04-001M-00					PUR	Unshielded
APMS-1DR7B2S8B04-001M-00						Shielded
APMU-1DR7C1S8C05-001M-00	M12 R-Male C Code to M12 S-Female C Code 5Pos Cable 5C Black L=0.1M	5			PVC	Unshielded
APMS-1DR7C1S8C05-001M-00						Shielded
APMU-1DR7C2S8C05-001M-00					PUR	Unshielded
APMS-1DR7C2S8C05-001M-00						Shielded
APMU-1DR7D1S8D04-001M-00	M12 R-Male D Code to M12 S-Female D Code 4Pos Cable 4C Black L=0.1M	4			PVC	Unshielded
APMS-1DR7D1S8D04-001M-00						Shielded
APMU-1DR7D2S8D04-001M-00					PUR	Unshielded
APMS-1DR7D2S8D04-001M-00						Shielded

M12 Series Both Ended Connector A/B/C/D Coding Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded	
APMU-1DR7A1R8A03-001M-00	M12 R-Male A Code to M12 R-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded	
APMS-1DR7A1R8A03-001M-00					Shielded	
APMU-1DR7A2R8A03-001M-00				PUR	Unshielded	
APMS-1DR7A2R8A03-001M-00					Shielded	
APMU-1DR7B1R8B04-001M-00	M12 R-Male B Code to M12 R-Female B Code 4Pos Cable 4C Black L=0.1M	4			PVC	Unshielded
APMS-1DR7B1R8B04-001M-00						Shielded
APMU-1DR7B2R8B04-001M-00					PUR	Unshielded
APMS-1DR7B2R8B04-001M-00						Shielded
APMU-1DR7C1R8C05-001M-00	M12 R-Male C Code to M12 R-Female C Code 5Pos Cable 5C Black L=0.1M	5			PVC	Unshielded
APMS-1DR7C1R8C05-001M-00						Shielded
APMU-1DR7C2R8C05-001M-00					PUR	Unshielded
APMS-1DR7C2R8C05-001M-00						Shielded
APMU-1DR7D1R8D04-001M-00	M12 R-Male D Code to M12 R-Female D Code 4Pos Cable 4C Black L=0.1M	4			PVC	Unshielded
APMS-1DR7D1R8D04-001M-00						Shielded
APMU-1DR7D2R8D04-001M-00					PUR	Unshielded
APMS-1DR7D2R8D04-001M-00						Shielded
APMU-1DS8A1S8A03-001M-00	M12 S-Female A Code to M12 S-Female A Code 3Pos Cable 3C Black L=0.1M	3			PVC	Unshielded
APMS-1DS8A1S8A03-001M-00						Shielded
APMU-1DS8A2S8A03-001M-00					PUR	Unshielded
APMS-1DS8A2S8A03-001M-00						Shielded
APMU-1DS8B1S8B04-001M-00	M12 S-Female B Code to M12 S-Female B Code 4Pos Cable 4C Black L=0.1M	4			PVC	Unshielded
APMS-1DS8B1S8B04-001M-00						Shielded
APMU-1DS8B2S8B04-001M-00					PUR	Unshielded
APMS-1DS8B2S8B04-001M-00						Shielded
APMU-1DS8C1S8C05-001M-00	M12 S-Female C Code to M12 S-Female C Code 5Pos Cable 5C Black L=0.1M	5			PVC	Unshielded
APMS-1DS8C1S8C05-001M-00						Shielded
APMU-1DS8C2S8C05-001M-00					PUR	Unshielded
APMS-1DS8C2S8C05-001M-00						Shielded
APMU-1DS8D1S8D04-001M-00	M12 S-Female D Code to M12 S-Female D Code 4Pos Cable 4C Black L=0.1M	4			PVC	Unshielded
APMS-1DS8D1S8D04-001M-00						Shielded
APMU-1DS8D2S8D04-001M-00					PUR	Unshielded
APMS-1DS8D2S8D04-001M-00						Shielded

M12 Series Both Ended Connector A/B/C/D Coding Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded	
APMU-1DS8A1R8A03-001M-00	M12 S-Female A Code to M12 R-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded	
APMS-1DS8A1R8A03-001M-00					Shielded	
APMU-1DS8A2R8A03-001M-00				PUR	Unshielded	
APMS-1DS8A2R8A03-001M-00					Shielded	
APMU-1DS8B1R8B04-001M-00	M12 S-Female B Code to M12 R-Female B Code 4Pos Cable 4C Black L=0.1M	4			PVC	Unshielded
APMS-1DS8B1R8B04-001M-00						Shielded
APMU-1DS8B2R8B04-001M-00					PUR	Unshielded
APMS-1DS8B2R8B04-001M-00						Shielded
APMU-1DS8C1R8C05-001M-00	M12 S-Female C Code to M12 R-Female C Code 5Pos Cable 5C Black L=0.1M	5			PVC	Unshielded
APMS-1DS8C1R8C05-001M-00						Shielded
APMU-1DS8C2R8C05-001M-00					PUR	Unshielded
APMS-1DS8C2R8C05-001M-00						Shielded
APMU-1DS8D1R8D04-001M-00	M12 S-Female D Code to M12 R-Female D Code 4Pos Cable 4C Black L=0.1M	4			PVC	Unshielded
APMS-1DS8D1R8D04-001M-00						Shielded
APMU-1DS8D2R8D04-001M-00					PUR	Unshielded
APMS-1DS8D2R8D04-001M-00						Shielded
APMU-1DR8A1R8A03-001M-00	M12 R-Female A Code to M12 R-Female A Code 3Pos Cable 3C Black L=0.1M	3			PVC	Unshielded
APMS-1DR8A1R8A03-001M-00						Shielded
APMU-1DR8A2R8A03-001M-00					PUR	Unshielded
APMS-1DR8A2R8A03-001M-00						Shielded
APMU-1DR8B1R8B04-001M-00	M12 R-Female B Code to M12 R-Female B Code 4Pos Cable 4C Black L=0.1M	4			PVC	Unshielded
APMS-1DR8B1R8B04-001M-00						Shielded
APMU-1DR8B2R8B04-001M-00					PUR	Unshielded
APMS-1DR8B2R8B04-001M-00						Shielded
APMU-1DR8C1R8C05-001M-00	M12 R-Female C Code to M12 R-Female C Code 5Pos Cable 5C Black L=0.1M	5			PVC	Unshielded
APMS-1DR8C1R8C05-001M-00						Shielded
APMU-1DR8C2R8C05-001M-00					PUR	Unshielded
APMS-1DR8C2R8C05-001M-00						Shielded
APMU-1DR8D1R8D04-001M-00	M12 R-Female D Code to M12 R-Female D Code 4Pos Cable 4C Black L=0.1M	4			PVC	Unshielded
APMS-1DR8D1R8D04-001M-00						Shielded
APMU-1DR8D2R8D04-001M-00					PUR	Unshielded
APMS-1DR8D2R8D04-001M-00						Shielded

M12 Series A/B/C/D Coded Definition

M12 A-coded cable assemblies are designed for applications such as sensors, robotics & production machinery & equipment, where extreme temperatures and harsh environments are likely to be encountered. These cable assemblies are also ideal for non-industrial applications where compact, robust and reliable connections are required to withstand rigorous environmental elements.

The new A and B-coded M12 cable assemblies comply with Profibus, DeviceNet and CC-link protocols, offering multiple options for a variety of needs that makes TE an one-stop shop. They have 360-degree shielding against EMI for complete protection for signal and data transmission, and are rated IP67 for resistance to dust and water. The assemblies are overmolded in either PVC or halogen-free polyurethane (PUR) cables, suitable for drag chain applications or torsional stress, depending on customer performance requirements.

FPIC Connectivity offers M12 data cable assemblies with D-code interfaces that support Ethernet protocols as part of its package of Industrial Ethernet and Fieldbus solutions. The Cat5e cable jackets vary between PVC, PUR and TPE offer a unique solution toward satisfying the stringent needs of motion systems supporting both flexing and stationary industrial Ethernet requirements.

FPIC's portfolio is further complemented with overmolded M12 D-code to RJ45 configurations which are key components to an overall Industrial Ethernet application and designed for connection within control cabinets, machinery and in-the-field operations. This makes it the one-stop shop for M8/M12 cable assemblies for Industrial Network communications. FPIC has enriched its already large offering in Fieldbus connectivity solutions (based on Profibus, DeviceNet, CanOpen and CC-link) with Industrial Ethernet protocols such as Profinet, EtherCAT, Ethernet/IP and SERCOS-III.

FPIC Connectivity offers M12 data cable assemblies with D-code interfaces that support Ethernet protocols as part of its package of Industrial Ethernet and Fieldbus solutions. The Cat5e cable jackets vary between PVC, PUR and TPE offer a unique solution toward satisfying the stringent needs of motion systems supporting both flexing and stationary industrial Ethernet requirements.

FPIC's portfolio is further complemented with overmolded M12 D-code to RJ45 configurations which are key components to an overall Industrial Ethernet application and designed for connection within control cabinets, machinery and in-the-field operations.

M12 Series A/B/C/D Coded Definition

Material

- Contact: Brass, Gold Flash Plating
- Nut: Brass, Nickel Plating Shielded or Unshielded Versions
- O-Ring: Silicon Rubber
- Housing: PA
- Over-Molding: PVC or TPU
- Over-Molding Color: Black or Gray
- Key Options: A or B or C or D Coded
- M12 Positions:
 - A Coded: 2,3,4,5,6,8,12,17 Poles
 - B Coded: 4,5 Poles
 - B Coded: 4,5 Poles
 - C Coded: 2+PE,3+PE,4+PE,5+PE Poles
 - D Coded: 4 Poles
- M12 Single or Double Ended Cable Assembly
- Cable Length Options: Custom

Cable Specification

Cable Jacket: PVC or PUR
 Cable Assembly: Shielded or Unshielded Versions
 Jacket Color: Black or Gray
 Conductor:
 <2A 26AWG/28AWG
 2A<4A 24AWG/26AWG
 ≥4A 22AWG/24AWG

Mechanical

Durability: 100 Cycles
 Degree of Protection: IP67
 Temperature Range:
 -PVC:
 Fixed: -40°C to +80°C
 Flexible: -20°C to +80°C
 -PUR:
 Fixed: -40°C to +80°C
 Flexible: -20°C to +80°C

Electrical

Voltage Rating:
 • 250V (≤4 Poles)
 • 60V (5 Poles)
 • 30V (>5 Poles)
 Current Rating:
 • 2 – 5Poles: 4A
 • 6 – 8Poles: 2A
 • 12 – 17Poles: 1.5A
 Insulation Resistance: 100MΩ Min

M12 Series S/T/K/L/M Coding Electrical Parameters

Interface Code Type	Pins	Male	Rated Current	Rated Voltage	Max. Conductor Size		Female
					AWG	mm²	
S	2		12A	630V	16AWG	1.3	
	2+PE		12A	630V	16AWG	1.3	
	3+PE		12A	630V	16AWG	1.3	
T	2		12A	60V	16AWG	1.3	
	2+PE		12A	60V	16AWG	1.3	
	3+PE		12A	60V	16AWG	1.3	
K	2		16A	630V	16AWG	1.3	
	2+PE		16A	630V	16AWG	1.3	
	3+PE		16A	630V	16AWG	1.3	
	4+PE		16A	630V	16AWG	1.3	

Interface Code Type	Pins	Male	Rated Current	Rated Voltage	Max. Conductor Size		Female
					AWG	mm²	
L	2		16A	63V	16AWG	1.3	
	2+PE		16A	63V	16AWG	1.3	
	3		16A	63V	16AWG	1.3	
	3+PE		16A	63V	16AWG	1.3	
M	2		8A	630V	18AWG	0.75	
	2+PE		8A	630V	18AWG	0.75	
	3+PE		8A	630V	18AWG	0.75	
	4+PE		8A	630V	18AWG	0.75	

M12 Series S/T/K/L/M Coding Cable Color Definition

From Poles	Wire Core Color	To Poles	From Poles	Wire Core Color	To Poles
1	BK 1	1	1	BR	1
2	BK 2	2	2	WH	2
PE	GR/YE	PE	3	BU	3
			4	BK	4

From Poles	Wire Core Color	To Poles	From Poles	Wire Core Color	To Poles
1	BK 1	1	1	BR	1
2	BK 2	2	2	WH	2
3	BK 3	3	3	BU	3
4	BK 4	4	4	BK	4
5	BK 5	5	PE	GY	PE

From Poles	Wire Core Color	To Poles	From Poles	Wire Core Color	To Poles
1	BK 1	1	1	BK 1	1
2	BK 2	2	2	BK 2	2
3	BK 3	3	3	BK 3	3
PE	GR/YE	PE	4	BK 4	4
			PE	GR/YE	PE

M12 Series Single Ended Connector S/T/K/L/M Coding Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded	
APMU-1SS7S1NNN03-001M-00	M12 S-Male S Code 3Pos Cable 3C Black L=0.1M	2+PE		PVC	Unshielded	
APMS-1SS7S1NNN03-001M-00					Shielded	
APMU-1SS7S2NNN03-001M-00				PUR	Unshielded	
APMS-1SS7S2NNN03-001M-00	Shielded					
APMU-1SS7T1NNN04-001M-00	M12 S-Male T Code 4Pos Cable 4C Black L=0.1M	3+PE		PVC	Unshielded	
APMS-1SS7T1NNN04-001M-00					Shielded	
APMU-1SS7T2NNN04-001M-00				PUR	Unshielded	
APMS-1SS7T2NNN04-001M-00	Shielded					
APMU-1SS7K1NNN05-001M-00	M12 S-Male K Code 5Pos Cable 5C Black L=0.1M	4+PE		PVC	Unshielded	
APMS-1SS7K1NNN05-001M-00					Shielded	
APMU-1SS7K2NNN05-001M-00				PUR	Unshielded	
APMS-1SS7K2NNN05-001M-00	Shielded					
APMU-1SS7L1NNN03-001M-01	M12 S-Male L Code 3Pos Cable 3C Black L=0.1M	2+PE		PVC	Unshielded	
APMS-1SS7L1NNN03-001M-01					Shielded	
APMU-1SS7L2NNN03-001M-01				PUR	Unshielded	
APMS-1SS7L2NNN03-001M-01	Shielded					
APMU-1SS7M1NNN04-001M-00	M12 S-Male M Code 4Pos Cable 4C Black L=0.1M	3+PE		PVC	Unshielded	
APMS-1SS7M1NNN04-001M-00					Shielded	
APMU-1SS7M2NNN04-001M-00				PUR	Unshielded	
APMS-1SS7M2NNN04-001M-00	Shielded					
APMU-1SR7S1NNN03-001M-00	M12 R-Male S Code 3Pos Cable 3C Black L=0.1M	2+PE			PVC	Unshielded
APMS-1SR7S1NNN03-001M-00						Shielded
APMU-1SR7S2NNN03-001M-00					PUR	Unshielded
APMS-1SR7S2NNN03-001M-00	Shielded					
APMU-1SR7T1NNN04-001M-00	M12 R-Male T Code 4Pos Cable 4C Black L=0.1M	3+PE	PVC		Unshielded	
APMS-1SR7T1NNN04-001M-00					Shielded	
APMU-1SR7T2NNN04-001M-00			PUR		Unshielded	
APMS-1SR7T2NNN04-001M-00	Shielded					
APMU-1SR7K1NNN05-001M-00	M12 R-Male K Code 5Pos Cable 5C Black L=0.1M	4+PE	PVC		Unshielded	
APMS-1SR7K1NNN05-001M-00					Shielded	
APMU-1SR7K2NNN05-001M-00			PUR		Unshielded	
APMS-1SR7K2NNN05-001M-00	Shielded					
APMU-1SR7L1NNN03-001M-01	M12 R-Male L Code 3Pos Cable 3C Black L=0.1M	2+PE		PVC	Unshielded	
APMS-1SR7L1NNN03-001M-01					Shielded	
APMU-1SR7L2NNN03-001M-01				PUR	Unshielded	
APMS-1SR7L2NNN03-001M-01	Shielded					
APMU-1SR7M1NNN04-001M-00	M12 R-Male M Code 4Pos Cable 4C Black L=0.1M	3+PE		PVC	Unshielded	
APMS-1SR7M1NNN04-001M-00					Shielded	
APMU-1SR7M2NNN04-001M-00				PUR	Unshielded	
APMS-1SR7M2NNN04-001M-00	Shielded					

M12 Series Single Ended Connector S/T/K/L/M Coding Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1SS8S1NNN03-001M-00	M12 S-Female S Code 3Pos Cable 3C Black L=0.1M	2+PE		PVC	Unshielded
APMS-1SS8S1NNN03-001M-00					Shielded
APMU-1SS8S2NNN03-001M-00				PUR	Unshielded
APMS-1SS8S2NNN03-001M-00					Shielded
APMU-1SS8T1NNN04-001M-00	M12 S-Female T Code 4Pos Cable 4C Black L=0.1M	3+PE		PVC	Unshielded
APMS-1SS8T1NNN04-001M-00					Shielded
APMU-1SS8T2NNN04-001M-00				PUR	Unshielded
APMS-1SS8T2NNN04-001M-00					Shielded
APMU-1SS8K1NNN05-001M-00	M12 S-Female K Code 5Pos Cable 5C Black L=0.1M	4+PE	PVC	Unshielded	
APMS-1SS8K1NNN05-001M-00				Shielded	
APMU-1SS8K2NNN05-001M-00			PUR	Unshielded	
APMS-1SS8K2NNN05-001M-00				Shielded	
APMU-1SS8L1NNN03-001M-01	M12 S-Female L Code 3Pos Cable 3C Black L=0.1M	2+PE	PVC	Unshielded	
APMS-1SS8L1NNN03-001M-01				Shielded	
APMU-1SS8L2NNN03-001M-01			PUR	Unshielded	
APMS-1SS8L2NNN03-001M-01				Shielded	
APMU-1SS8M1NNN04-001M-00	M12 S-Female M Code 4Pos Cable 4C Black L=0.1M	3+PE	PVC	Unshielded	
APMS-1SS8M1NNN04-001M-00				Shielded	
APMU-1SS8M2NNN04-001M-00			PUR	Unshielded	
APMS-1SS8M2NNN04-001M-00				Shielded	
APMU-1SR8S1NNN03-001M-00	M12 R-Female S Code 3Pos Cable 3C Black L=0.1M	2+PE		PVC	Unshielded
APMS-1SR8S1NNN03-001M-00					Shielded
APMU-1SR8S2NNN03-001M-00				PUR	Unshielded
APMS-1SR8S2NNN03-001M-00					Shielded
APMU-1SR8T1NNN04-001M-00	M12 R-Female T Code 4Pos Cable 4C Black L=0.1M	3+PE		PVC	Unshielded
APMS-1SR8T1NNN04-001M-00					Shielded
APMU-1SR8T2NNN04-001M-00				PUR	Unshielded
APMS-1SR8T2NNN04-001M-00					Shielded
APMU-1SR8K1NNN05-001M-00	M12 R-Female K Code 5Pos Cable 5C Black L=0.1M	4+PE	PVC	Unshielded	
APMS-1SR8K1NNN05-001M-00				Shielded	
APMU-1SR8K2NNN05-001M-00			PUR	Unshielded	
APMS-1SR8K2NNN05-001M-00				Shielded	
APMU-1SR8L1NNN03-001M-01	M12 R-Female L Code 3Pos Cable 3C Black L=0.1M	2+PE	PVC	Unshielded	
APMS-1SR8L1NNN03-001M-01				Shielded	
APMU-1SR8L2NNN03-001M-01			PUR	Unshielded	
APMS-1SR8L2NNN03-001M-01				Shielded	
APMU-1SR8M1NNN04-001M-00	M12 R-Female M Code 4Pos Cable 4C Black L=0.1M	3+PE	PVC	Unshielded	
APMS-1SR8M1NNN04-001M-00				Shielded	
APMU-1SR8M2NNN04-001M-00			PUR	Unshielded	
APMS-1SR8M2NNN04-001M-00				Shielded	

M12 Series Both Ended Connector S/T/K/L/M Coding Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1DS7S1S7S03-001M-00	M12 S-Male S Code to M12 S-Male S Code 3Pos Cable 3C Black L=0.1M	2+PE		PVC	Unshielded
APMS-1DS7S1S7S03-001M-00					Shielded
APMU-1DS7S2S7S03-001M-00				PUR	Unshielded
APMS-1DS7S2S7S03-001M-00					Shielded
APMU-1DS7T1S7T04-001M-00	M12 S-Male T Code to M12 S-Male T Code 4Pos Cable 4C Black L=0.1M	3+PE		PVC	Unshielded
APMS-1DS7T1S7T04-001M-00					Shielded
APMU-1DS7T2S7T04-001M-00				PUR	Unshielded
APMS-1DS7T2S7T04-001M-00					Shielded
APMU-1DS7K1S7K05-001M-00	M12 S-Male K Code to M12 S-Male K Code 5Pos Cable 5C Black L=0.1M	4+PE	PVC	Unshielded	
APMS-1DS7K1S7K05-001M-00				Shielded	
APMU-1DS7K2S7K05-001M-00			PUR	Unshielded	
APMS-1DS7K2S7K05-001M-00				Shielded	
APMU-1DS7L1S7L03-001M-01	M12 S-Male L Code to M12 S-Male L Code 3Pos Cable 3C Black L=0.1M	2+PE	PVC	Unshielded	
APMS-1DS7L1S7L03-001M-01				Shielded	
APMU-1DS7L2S7L03-001M-01			PUR	Unshielded	
APMS-1DS7L2S7L03-001M-01				Shielded	
APMU-1DS7M1S7M04-001M-00	M12 S-Male M Code to M12 S-Male M Code 4Pos Cable 4C Black L=0.1M	3+PE	PVC	Unshielded	
APMS-1DS7M1S7M04-001M-00				Shielded	
APMU-1DS7M2S7M04-001M-00			PUR	Unshielded	
APMS-1DS7M2S7M04-001M-00				Shielded	
APMU-1DS7S1R7S03-001M-00	M12 S-Male S Code to M12 R-Male S Code 3Pos Cable 3C Black L=0.1M	2+PE		PVC	Unshielded
APMS-1DS7S1R7S03-001M-00					Shielded
APMU-1DS7S2R7S03-001M-00				PUR	Unshielded
APMS-1DS7S2R7S03-001M-00					Shielded
APMU-1DS7T1R7T04-001M-00	M12 S-Male T Code to M12 R-Male T Code 4Pos Cable 4C Black L=0.1M	3+PE		PVC	Unshielded
APMS-1DS7T1R7T04-001M-00					Shielded
APMU-1DS7T2R7T04-001M-00				PUR	Unshielded
APMS-1DS7T2R7T04-001M-00					Shielded
APMU-1DS7K1R7K05-001M-00	M12 S-Male K Code to M12 R-Male K Code 5Pos Cable 5C Black L=0.1M	4+PE	PVC	Unshielded	
APMS-1DS7K1R7K05-001M-00				Shielded	
APMU-1DS7K2R7K05-001M-00			PUR	Unshielded	
APMS-1DS7K2R7K05-001M-00				Shielded	
APMU-1DS7L1R7L03-001M-01	M12 S-Male L Code to M12 R-Male L Code 3Pos Cable 3C Black L=0.1M	2+PE	PVC	Unshielded	
APMS-1DS7L1R7L03-001M-01				Shielded	
APMU-1DS7L2R7L03-001M-01			PUR	Unshielded	
APMS-1DS7L2R7L03-001M-01				Shielded	
APMU-1DS7M1R7M04-001M-00	M12 S-Male M Code to M12 R-Male M Code 4Pos Cable 4C Black L=0.1M	3+PE	PVC	Unshielded	
APMS-1DS7M1R7M04-001M-00				Shielded	
APMU-1DS7M2R7M04-001M-00			PUR	Unshielded	
APMS-1DS7M2R7M04-001M-00				Shielded	

M12 Series

M12 Series

M12 Series Both Ended Connector S/T/K/L/M Coding Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1DS7S1S8S03-001M-00	M12 S-Male S Code to M12 S-Female S Code 3Pos Cable 3C Black L=0.1M	2+PE		PVC	Unshielded
APMS-1DS7S1S8S03-001M-00				Shielded	
APMU-1DS7S2S8S03-001M-00				PUR	Unshielded
APMS-1DS7S2S8S03-001M-00				Shielded	
APMU-1DS7T1S8T04-001M-00	M12 S-Male T Code to M12 S-Female T Code 4Pos Cable 4C Black L=0.1M	3+PE		PVC	Unshielded
APMS-1DS7T1S8T04-001M-00				Shielded	
APMU-1DS7T2S8T04-001M-00				PUR	Unshielded
APMS-1DS7T2S8T04-001M-00				Shielded	
APMU-1DS7K1S8K05-001M-00	M12 S-Male K Code to M12 S-Female K Code 5Pos Cable 5C Black L=0.1M	4+PE	PVC	Unshielded	
APMS-1DS7K1S8K05-001M-00			Shielded		
APMU-1DS7K2S8K05-001M-00			PUR	Unshielded	
APMS-1DS7K2S8K05-001M-00			Shielded		
APMU-1DS7L1S8L03-001M-01	M12 S-Male L Code to M12 S-Female L Code 3Pos Cable 3C Black L=0.1M	2+PE	PVC	Unshielded	
APMS-1DS7L1S8L03-001M-01			Shielded		
APMU-1DS7L2S8L03-001M-01			PUR	Unshielded	
APMS-1DS7L2S8L03-001M-01			Shielded		
APMU-1DS7M1S8M04-001M-00	M12 S-Male M Code to M12 S-Female M Code 4Pos Cable 4C Black L=0.1M	3+PE	PVC	Unshielded	
APMS-1DS7M1S8M04-001M-00			Shielded		
APMU-1DS7M2S8M04-001M-00			PUR	Unshielded	
APMS-1DS7M2S8M04-001M-00			Shielded		
APMU-1DS7S1R8S03-001M-00	M12 S-Male S Code to M12 R-Female S Code 3Pos Cable 3C Black L=0.1M	2+PE	PVC	Unshielded	
APMS-1DS7S1R8S03-001M-00			Shielded		
APMU-1DS7S2R8S03-001M-00			PUR	Unshielded	
APMS-1DS7S2R8S03-001M-00			Shielded		
APMU-1DS7T1R8T04-001M-00	M12 S-Male T Code to M12 R-Female T Code 4Pos Cable 4C Black L=0.1M	3+PE	PVC	Unshielded	
APMS-1DS7T1R8T04-001M-00			Shielded		
APMU-1DS7T2R8T04-001M-00			PUR	Unshielded	
APMS-1DS7T2R8T04-001M-00			Shielded		
APMU-1DS7K1R8K05-001M-00	M12 S-Male K Code to M12 R-Female K Code 5Pos Cable 5C Black L=0.1M	4+PE	PVC	Unshielded	
APMS-1DS7K1R8K05-001M-00			Shielded		
APMU-1DS7K2R8K05-001M-00			PUR	Unshielded	
APMS-1DS7K2R8K05-001M-00			Shielded		
APMU-1DS7L1R8L03-001M-01	M12 S-Male L Code to M12 R-Female L Code 3Pos Cable 3C Black L=0.1M	2+PE	PVC	Unshielded	
APMS-1DS7L1R8L03-001M-01			Shielded		
APMU-1DS7L2R8L03-001M-01			PUR	Unshielded	
APMS-1DS7L2R8L03-001M-01			Shielded		
APMU-1DS7M1R8M04-001M-00	M12 S-Male M Code to M12 R-Female M Code 4Pos Cable 4C Black L=0.1M	3+PE	PVC	Unshielded	
APMS-1DS7M1R8M04-001M-00			Shielded		
APMU-1DS7M2R8M04-001M-00			PUR	Unshielded	
APMS-1DS7M2R8M04-001M-00			Shielded		

M12 Series Both Ended Connector S/T/K/L/M Coding Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1DR7S1R7S03-001M-00	M12 R-Male S Code to M12 R-Male S Code 3Pos Cable 3C Black L=0.1M	2+PE		PVC	Unshielded
APMS-1DR7S1R7S03-001M-00				Shielded	
APMU-1DR7S2R7S03-001M-00				PUR	Unshielded
APMS-1DR7S2R7S03-001M-00				Shielded	
APMU-1DR7T1R7T04-001M-00	M12 R-Male T Code to M12 R-Male T Code 4Pos Cable 4C Black L=0.1M	3+PE		PVC	Unshielded
APMS-1DR7T1R7T04-001M-00				Shielded	
APMU-1DR7T2R7T04-001M-00				PUR	Unshielded
APMS-1DR7T2R7T04-001M-00				Shielded	
APMU-1DR7K1R7K05-001M-00	M12 R-Male K Code to M12 R-Male K Code 5Pos Cable 5C Black L=0.1M	4+PE	PVC	Unshielded	
APMS-1DR7K1R7K05-001M-00			Shielded		
APMU-1DR7K2R7K05-001M-00			PUR	Unshielded	
APMS-1DR7K2R7K05-001M-00			Shielded		
APMU-1DR7L1R7L03-001M-01	M12 R-Male L Code to M12 R-Male L Code 3Pos Cable 3C Black L=0.1M	2+PE	PVC	Unshielded	
APMS-1DR7L1R7L03-001M-01			Shielded		
APMU-1DR7L2R7L03-001M-01			PUR	Unshielded	
APMS-1DR7L2R7L03-001M-01			Shielded		
APMU-1DR7M1R7M04-001M-00	M12 R-Male M Code to M12 R-Male M Code 4Pos Cable 4C Black L=0.1M	3+PE	PVC	Unshielded	
APMS-1DR7M1R7M04-001M-00			Shielded		
APMU-1DR7M2R7M04-001M-00			PUR	Unshielded	
APMS-1DR7M2R7M04-001M-00			Shielded		
APMU-1DR7S1S8S03-001M-00	M12 R-Male S Code to M12 S-Female S Code 3Pos Cable 3C Black L=0.1M	2+PE	PVC	Unshielded	
APMS-1DR7S1S8S03-001M-00			Shielded		
APMU-1DR7S2S8S03-001M-00			PUR	Unshielded	
APMS-1DR7S2S8S03-001M-00			Shielded		
APMU-1DR7T1S8T04-001M-00	M12 R-Male T Code to M12 S-Female T Code 4Pos Cable 4C Black L=0.1M	3+PE	PVC	Unshielded	
APMS-1DR7T1S8T04-001M-00			Shielded		
APMU-1DR7T2S8T04-001M-00			PUR	Unshielded	
APMS-1DR7T2S8T04-001M-00			Shielded		
APMU-1DR7K1S8K05-001M-00	M12 R-Male K Code to M12 S-Female K Code 5Pos Cable 5C Black L=0.1M	4+PE	PVC	Unshielded	
APMS-1DR7K1S8K05-001M-00			Shielded		
APMU-1DR7K2S8K05-001M-00			PUR	Unshielded	
APMS-1DR7K2S8K05-001M-00			Shielded		
APMU-1DR7L1S8L03-001M-01	M12 R-Male L Code to M12 S-Female L Code 3Pos Cable 3C Black L=0.1M	2+PE	PVC	Unshielded	
APMS-1DR7L1S8L03-001M-01			Shielded		
APMU-1DR7L2S8L03-001M-01			PUR	Unshielded	
APMS-1DR7L2S8L03-001M-01			Shielded		
APMU-1DR7M1S8M04-001M-00	M12 R-Male M Code to M12 S-Female M Code 4Pos Cable 4C Black L=0.1M	3+PE	PVC	Unshielded	
APMS-1DR7M1S8M04-001M-00			Shielded		
APMU-1DR7M2S8M04-001M-00			PURR	Unshielded	
APMS-1DR7M2S8M04-001M-00			Shielded		

M12 Series Both Ended Connector S/T/K/L/M Coding Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/ Unshielded
APMU-1DR7S1R8S03-001M-00	M12 R-Male S Code to M12 R-Female S Code 3Pos Cable 3C Black L=0.1M	2+PE		PVC	Unshielded
APMS-1DR7S1R8S03-001M-00				Shielded	
APMU-1DR7S2R8S03-001M-00				PUR	Unshielded
APMS-1DR7S2R8S03-001M-00				Shielded	
APMU-1DR7T1R8T04-001M-00	M12 R-Male T Code to M12 R-Female T Code 4Pos Cable 4C Black L=0.1M	3+PE		PVC	Unshielded
APMS-1DR7T1R8T04-001M-00				Shielded	
APMU-1DR7T2R8T04-001M-00				PUR	Unshielded
APMS-1DR7T2R8T04-001M-00				Shielded	
APMU-1DR7K1R8K05-001M-00	M12 R-Male K Code to M12 R-Female K Code 5Pos Cable 5C Black L=0.1M	4+PE	PVC	Unshielded	
APMS-1DR7K1R8K05-001M-00			Shielded		
APMU-1DR7K2R8K05-001M-00			PUR	Unshielded	
APMS-1DR7K2R8K05-001M-00			Shielded		
APMU-1DR7L1R8L03-001M-01	M12 R-Male L Code to M12 R-Female L Code 3Pos Cable 3C Black L=0.1M	2+PE	PVC	Unshielded	
APMS-1DR7L1R8L03-001M-01			Shielded		
APMU-1DR7L2R8L03-001M-01			PUR	Unshielded	
APMS-1DR7L2R8L03-001M-01			Shielded		
APMU-1DR7M1R8M04-001M-00	M12 R-Male M Code to M12 R-Female M Code 4Pos Cable 4C Black L=0.1M	3+PE	PVC	Unshielded	
APMS-1DR7M1R8M04-001M-00			Shielded		
APMU-1DR7M2R8M04-001M-00			PUR	Unshielded	
APMS-1DR7M2R8M04-001M-00			Shielded		
APMU-1DS8S1S8S03-001M-00	M12 S-Female S Code to M12 S-Female S Code 3Pos Cable 3C Black L=0.1M	2+PE	PVC	Unshielded	
APMS-1DS8S1S8S03-001M-00			Shielded		
APMU-1DS8S2S8S03-001M-00			PUR	Unshielded	
APMS-1DS8S2S8S03-001M-00			Shielded		
APMU-1DS8T1S8T04-001M-00	M12 S-Female T Code to M12 S-Female T Code 4Pos Cable 4C Black L=0.1M	3+PE	PVC	Unshielded	
APMS-1DS8T1S8T04-001M-00			Shielded		
APMU-1DS8T2S8T04-001M-00			PUR	Unshielded	
APMS-1DS8T2S8T04-001M-00			Shielded		
APMU-1DS8K1S8K05-001M-00	M12 S-Female K Code to M12 S-Female K Code 5Pos Cable 5C Black L=0.1M	4+PE	PVC	Unshielded	
APMS-1DS8K1S8K05-001M-00			Shielded		
APMU-1DS8K2S8K05-001M-00			PUR	Unshielded	
APMS-1DS8K2S8K05-001M-00			Shielded		
APMU-1DS8L1S8L03-001M-01	M12 S-Female L Code to M12 S-Female L Code 3Pos Cable 3C Black L=0.1M	2+PE	PVC	Unshielded	
APMS-1DS8L1S8L03-001M-01			Shielded		
APMU-1DS8L2S8L03-001M-01			PUR	Unshielded	
APMS-1DS8L2S8L03-001M-01			Shielded		
APMU-1DS8M1S8M04-001M-00	M12 S-Female M Code to M12 S-Female M Code 4Pos Cable 4C Black L=0.1M	3+PE	PVC	Unshielded	
APMS-1DS8M1S8M04-001M-00			Shielded		
APMU-1DS8M2S8M04-001M-00			PUR	Unshielded	
APMS-1DS8M2S8M04-001M-00			Shielded		

M12 Series Both Ended Connector S/T/K/L/M Coding Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/ Unshielded
APMU-1DS8S1R8S03-001M-00	M12 S-Female S Code to M12 R-Female S Code 3Pos Cable 3C Black L=0.1M	2+PE		PVC	Unshielded
APMS-1DS8S1R8S03-001M-00				Shielded	
APMU-1DS8S2R8S03-001M-00				PUR	Unshielded
APMS-1DS8S2R8S03-001M-00				Shielded	
APMU-1DS8T1R8T04-001M-00	M12 S-Female T Code to M12 R-Female T Code 4Pos Cable 4C Black L=0.1M	3+PE		PVC	Unshielded
APMS-1DS8T1R8T04-001M-00				Shielded	
APMU-1DS8T2R8T04-001M-00				PUR	Unshielded
APMS-1DS8T2R8T04-001M-00				Shielded	
APMU-1DS8K1R8K05-001M-00	M12 S-Female K Code to M12 R-Female K Code 5Pos Cable 5C Black L=0.1M	4+PE	PVC	Unshielded	
APMS-1DS8K1R8K05-001M-00			Shielded		
APMU-1DS8K2R8K05-001M-00			PUR	Unshielded	
APMS-1DS8K2R8K05-001M-00			Shielded		
APMU-1DS8L1R8L03-001M-01	M12 S-Female L Code to M12 R-Female L Code 3Pos Cable 3C Black L=0.1M	2+PE	PVC	Unshielded	
APMS-1DS8L1R8L03-001M-01			Shielded		
APMU-1DS8L2R8L03-001M-01			PUR	Unshielded	
APMS-1DS8L2R8L03-001M-01			Shielded		
APMU-1DS8M1R8M04-001M-00	M12 S-Female M Code to M12 R-Female M Code 4Pos Cable 4C Black L=0.1M	3+PE	PVC	Unshielded	
APMS-1DS8M1R8M04-001M-00			Shielded		
APMU-1DS8M2R8M04-001M-00			PUR	Unshielded	
APMS-1DS8M2R8M04-001M-00			Shielded		
APMU-1DR8S1R8S03-001M-00	M12 R-Female S Code to M12 R-Female S Code 3Pos Cable 3C Black L=0.1M	2+PE		PVC	Unshielded
APMS-1DR8S1R8S03-001M-00				Shielded	
APMU-1DR8S2R8S03-001M-00				PUR	Unshielded
APMS-1DR8S2R8S03-001M-00				Shielded	
APMU-1DR8T1R8T04-001M-00	M12 R-Female T Code to M12 R-Female T Code 4Pos Cable 4C Black L=0.1M	3+PE		PVC	Unshielded
APMS-1DR8T1R8T04-001M-00				Shielded	
APMU-1DR8T2R8T04-001M-00				PUR	Unshielded
APMS-1DR8T2R8T04-001M-00				Shielded	
APMU-1DR8K1R8K05-001M-00	M12 R-Female K Code to M12 R-Female K Code 5Pos Cable 5C Black L=0.1M	4+PE	PVC	Unshielded	
APMS-1DR8K1R8K05-001M-00			Shielded		
APMU-1DR8K2R8K05-001M-00			PUR	Unshielded	
APMS-1DR8K2R8K05-001M-00			Shielded		
APMU-1DR8L1R8L03-001M-01	M12 R-Female L Code to M12 R-Female L Code 3Pos Cable 3C Black L=0.1M	2+PE	PVC	Unshielded	
APMS-1DR8L1R8L03-001M-01			Shielded		
APMU-1DR8L2R8L03-001M-01			PUR	Unshielded	
APMS-1DR8L2R8L03-001M-01			Shielded		
APMU-1DR8M1R8M04-001M-00	M12 R-Female M Code to M12 R-Female M Code 4Pos Cable 4C Black L=0.1M	3+PE	PVC	Unshielded	
APMS-1DR8M1R8M04-001M-00			Shielded		
APMU-1DR8M2R8M04-001M-00			PUR	Unshielded	
APMS-1DR8M2R8M04-001M-00			Shielded		

M12 Series S/T/K/L/M Coded Definition

M12 Power L-code connectors are an extension of the current M12 IEC standard and have been selected by PROFIBUS and PROFINET International as the standard for 24-volt power supply systems used in PROFINET devices. An extension of FPIC's M12 product portfolio, M12 L-code cable assemblies handle up to 16A per pin – the highest in

FPIC's M12 family – delivering four times the power of standard M12 connectors while providing reliable and efficient power supply. M12 Power L-coded connectors take up to 40% less space and almost 80% more power than 7/8" connectors traditionally used for high-power connections. The M12 power cable assemblies are available in both male and female connectors and suitable for every purpose with its conductor size from 1.5 mm² up to 2.5 mm² allowing for a more compact build of a high-power solutions for automation devices.

FPIC's new M12 Power L-code connectors are IP67 rated, protected from dust and resist temporary submersion in water at depths of up to 1 meter for 30 minutes. The L-coding version is designed for DC power supplies with 63 V DC / 16 A, where a high current and low voltage is required making ideal for Field bus Ethernet I/O boxes, Ethernet systems, Network Devices, Motors and Drives and Valve applications. The power cable assemblies are available through FPIC's China distribution network, which provides customers with short lead-times and fast responses for technical support.

Material

- Contact: Brass, Gold Flash Plating
 - Nut: Brass, Nickel Plating
 - O-Ring: Silicon Rubber
 - Housing: PA
 - Over-Molding: PVC or TPU
 - Over-Molding Color: Black or Gray
- Key Options: S or T or K or L or M Coded

M12 Positions:

- S or T Coded: 2, 2+PE , 3+PE Poles
 - K Coded: 2 ,2+PE , 3+PE,4+PE Poles
 - L Coded: 2 ,2+PE ,3, 3+PE,4,4+PE Poles
 - M Coded: 2, 2+PE,3+PE,4+PE,5+PE Poles
- M12 Single or Both Ended Cable Assembly
Cable length Options:Custom

Cable Specification

- Cable Jacket: PVC or PUR
- Cable Assemblies: Shielded or Unshielded Versions
- Jacket Color: Black or Gray
- Conductor: ≥12A: 16AWG/18AWG
8A: 18AWG/20AWG

Mechanical

- Durability:100 Cycles
- Degree of Protection: IP67
- Temperature Range: -PVC: Fixed: -40°C to +80°C
Flexible: -20°C to +80°C
-PUR: Fixed: -40°C to +80°C
Flexible: -20°C to +80°C

Electrical

- Voltage Rating:
 - S or K or M Code: 630V
 - T Code: 60V
 - L Code: 63V
- Current Rating:
 - S or T Code: 12A
 - K or L Code: 16A
 - M Code: 8A
- Insulation Resistance: 100MΩ Min

M12 Series X/Y Coding Electrical Parameters

Interface Code Type	Pols	Male	Rated Current	Rated Voltage	Max. Conductor Size		Female
					AWG	mm ²	
X	8		0.5A	60V	26-24 AWG	0.14~0.25	
Y	6		0.5/12A	30V	20AWG*2C+26AWG*4C	0.14~0.5	
	8		0.5/6A	30V	20AWG*4C+26AWG*4C	0.14~0.5	

M12 Series X or Y Coding Cable Color Definition

From Poles	Wire Core Color		To Poles	From Poles	Wire Core Color		To Poles
	8X (8Pins X-Code)				8Y (8Pins Y-Code)		
1	WH/OR		1	1	WH/OR		1
2	OR		2	2	OR		2
3	WH/GN		3	3	WH/GN		3
4	GN		4	4	GN		4
5	WH/BU		5	5	BU		5
6	BU		6	6	WH		6
7	WH/BR		7	7	BR		7
8	BR		8	8	BK		8

X-code connection technology is experiencing a significant increase in interest as more companies look for higher network speeds and more reliable, high-quality data transmissions.

The 8-pin M12 X-code design is the most recent evolution in the Industrial environment which can handle 10 Gbit/s Ethernet transmission speeds.

Category 6A (Cat6A) cables usually consist of standardized twisted pair cables for Ethernet and other network layers. These can handle data rates up to 10 Gbit/s. In order to withstand these high speeds and data output, Cat6A cables have significant shielding and cable twist requirements.

The M12 X-code connector is specially developed for these requirements, whereby the channel pairs are separated and the degree of shielding in the connector itself has been increased. The new M12 X-coded cordsets, which are UL certified and have an IP67 rating for dust-tight and waterproof applications ensure efficient, high-quality and reliable connectivity and high integrity signal transmission. FPIC M12 overmolded X-code cordsets series contain male straight and right angle versions that transmit data rates up to 10 Gbit/s according to IEC 61076-2109. Our Cat6A cable jackets vary between PVC, PUR and TPE which offer a unique solution toward satisfying the stringent needs of motion systems supporting both flexing and stationary industrial high speed Ethernet requirements. FPIC's portfolio is further complemented with overmolded M12 X-code to RJ45 cable assemblies which are key components to an overall Industrial Ethernet application and designed for connection within control cabinets, machinery and outdoor applications. This further simplifies the concurrent use of both connector types (M12 & RJ45) within a single system.

M12 Series Single Ended Connector X/Y Coding Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1SS7X1NNN08-001M-00	M12 S-Male X Code 8Pos Cable 8C Black L=0.1M	8		PVC	Unshielded
APMS-1SS7X1NNN08-001M-00					Shielded
APMU-1SS7X2NNN08-001M-00				PUR	Unshielded
APMS-1SS7X2NNN08-001M-00					Shielded
APMU-1SS7Y1NNN06-001M-00	M12 S-Male Y Code 6Pos Cable 2C+4C Black L=0.1M	6		PVC	Unshielded
APMS-1SS7Y1NNN06-001M-00					Shielded
APMU-1SS7Y2NNN06-001M-00				PUR	Unshielded
APMS-1SS7Y2NNN06-001M-00					Shielded
APMU-1SR7X1NNN08-001M-00	M12 R-Male X Code 8Pos Cable 8C Black L=0.1M	8		PVC	Unshielded
APMS-1SR7X1NNN08-001M-00					Shielded
APMU-1SR7X2NNN08-001M-00				PUR	Unshielded
APMS-1SR7X2NNN08-001M-00					Shielded
APMU-1SR7Y1NNN06-001M-00	M12 R-Male Y Code 6Pos Cable 2C+4C Black L=0.1M	6		PVC	Unshielded
APMS-1SR7Y1NNN06-001M-00					Shielded
APMU-1SR7Y2NNN06-001M-00				PUR	Unshielded
APMS-1SR7Y2NNN06-001M-00					Shielded
APMU-1SS8X1NNN08-001M-00	M12 S-Female X Code 8Pos Cable 8C Black L=0.1M	8		PVC	Unshielded
APMS-1SS8X1NNN08-001M-00					Shielded
APMU-1SS8X2NNN08-001M-00				PUR	Unshielded
APMS-1SS8X2NNN08-001M-00					Shielded
APMU-1SS8Y1NNN06-001M-00	M12 S-Female Y Code 6Pos Cable 2C+4C Black L=0.1M	6		PVC	Unshielded
APMS-1SS8Y1NNN06-001M-00					Shielded
APMU-1SS8Y2NNN06-001M-00				PUR	Unshielded
APMS-1SS8Y2NNN06-001M-00					Shielded
APMU-1SR8X1NNN08-001M-00	M12 R-Female X Code 8Pos Cable 8C Black L=0.1M	8		PVC	Unshielded
APMS-1SR8X1NNN08-001M-00					Shielded
APMU-1SR8X2NNN08-001M-00				PUR	Unshielded
APMS-1SR8X2NNN08-001M-00					Shielded
APMU-1SR8Y1NNN06-001M-00	M12 R-Female Y Code 6Pos Cable 2C+4C Black L=0.1M	6		PVC	Unshielded
APMS-1SR8Y1NNN06-001M-00					Shielded
APMU-1SR8Y2NNN06-001M-00				PUR	Unshielded
APMS-1SR8Y2NNN06-001M-00					Shielded

M12 Series Both Ended Connector X/Y Coding Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1DS7X1S7X08-001M-00	M12 S-Male X Code to M12 S-Male X Code 8Pos Cable 8C Black L=0.1M	8		PVC	Unshielded
APMS-1DS7X1S7X08-001M-00					Shielded
APMU-1DS7X2S7X08-001M-00				PUR	Unshielded
APMS-1DS7X2S7X08-001M-00					Shielded
APMU-1DS7Y1S7Y06-001M-00	M12 S-Male Y Code to M12 S-Male Y Code 6Pos Cable 2C+4C Black L=0.1M	6		PVC	Unshielded
APMS-1DS7Y1S7Y06-001M-00					Shielded
APMU-1DS7Y2S7Y06-001M-00				PUR	Unshielded
APMS-1DS7Y2S7Y06-001M-00					Shielded
APMU-1DS7X1R7X08-001M-00	M12 S-Male X Code to M12 R-Male X Code 8Pos Cable 8C Black L=0.1M	8		PVC	Unshielded
APMS-1DS7X1R7X08-001M-00					Shielded
APMU-1DS7X2R7X08-001M-00				PUR	Unshielded
APMS-1DS7X2R7X08-001M-00					Shielded
APMU-1DS7Y1R7Y06-001M-00	M12 S-Male Y Code to M12 R-Male Y Code 6Pos Cable 2C+4C Black L=0.1M	6		PVC	Unshielded
APMS-1DS7Y1R7Y06-001M-00					Shielded
APMU-1DS7Y2R7Y06-001M-00				PUR	Unshielded
APMS-1DS7Y2R7Y06-001M-00					Shielded
APMU-1DS7X1S8X08-001M-00	M12 S-Male X Code to M12 S-Female X Code 8Pos Cable 8C Black L=0.1M	8		PVC	Unshielded
APMS-1DS7X1S8X08-001M-00					Shielded
APMU-1DS7X2S8X08-001M-00				PUR	Unshielded
APMS-1DS7X2S8X08-001M-00					Shielded
APMU-1DS7Y1S8Y06-001M-00	M12 S-Male Y Code to M12 S-Female Y Code 6Pos Cable 2C+4C Black L=0.1M	6		PVC	Unshielded
APMS-1DS7Y1S8Y06-001M-00					Shielded
APMU-1DS7Y2S8Y06-001M-00				PUR	Unshielded
APMS-1DS7Y2S8Y06-001M-00					Shielded
APMU-1DS7X1R8X08-001M-00	M12 S-Male X Code to M12 R-Female X Code 8Pos Cable 8C Black L=0.1M	8		PVC	Unshielded
APMS-1DS7X1R8X08-001M-00					Shielded
APMU-1DS7X2R8X08-001M-00				PUR	Unshielded
APMS-1DS7X2R8X08-001M-00					Shielded
APMU-1DS7Y1R8Y06-001M-00	M12 S-Male Y Code to M12 R-Female Y Code 6Pos Cable 2C+4C Black L=0.1M	6		PVC	Unshielded
APMS-1DS7Y1R8Y06-001M-00					Shielded
APMU-1DS7Y2R8Y06-001M-00				PUR	Unshielded
APMS-1DS7Y2R8Y06-001M-00					Shielded

M12 Series Both Ended Connector X/Y Coding Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1DR7X1R7X08-001M-00	M12 R-Male X Code to M12 R-Male X Code 8Pos Cable 8C Black L=0.1M	8		PVC	Unshielded
APMS-1DR7X1R7X08-001M-00				PVC	Shielded
APMU-1DR7X2R7X08-001M-00				PUR	Unshielded
APMS-1DR7X2R7X08-001M-00				PUR	Shielded
APMU-1DR7Y1R7Y06-001M-00	M12 R-Male Y Code to M12 R-Male Y Code 6Pos Cable 2C+4C Black L=0.1M	6		PVC	Unshielded
APMS-1DR7Y1R7Y06-001M-00				PVC	Shielded
APMU-1DR7Y2R7Y06-001M-00				PUR	Unshielded
APMS-1DR7Y2R7Y06-001M-00				PUR	Shielded
APMU-1DR7X1S8X08-001M-00	M12 R-Male X Code to M12 S-Female X Code 8Pos Cable 8C Black L=0.1M	8		PVC	Unshielded
APMS-1DR7X1S8X08-001M-00				PVC	Shielded
APMU-1DR7X2S8X08-001M-00				PUR	Unshielded
APMS-1DR7X2S8X08-001M-00				PUR	Shielded
APMU-1DR7Y1S8Y06-001M-00	M12 R-Male Y Code to M12 S-Female Y Code 6Pos Cable 2C+4C Black L=0.1M	6		PVC	Unshielded
APMS-1DR7Y1S8Y06-001M-00				PVC	Shielded
APMU-1DR7Y2S8Y06-001M-00				PUR	Unshielded
APMS-1DR7Y2S8Y06-001M-00				PUR	Shielded
APMU-1DR7X1R8X08-001M-00	M12 R-Male X Code to M12 R-Female X Code 8Pos Cable 8C Black L=0.1M	8		PVC	Unshielded
APMS-1DR7X1R8X08-001M-00				PVC	Shielded
APMU-1DR7X2R8X08-001M-00				PUR	Unshielded
APMS-1DR7X2R8X08-001M-00				PUR	Shielded
APMU-1DR7Y1R8Y06-001M-00	M12 R-Male Y Code to M12 R-Female Y Code 6Pos Cable 2C+4C Black L=0.1M	6		PVC	Unshielded
APMS-1DR7Y1R8Y06-001M-00				PVC	Shielded
APMU-1DR7Y2R8Y06-001M-00				PUR	Unshielded
APMS-1DR7Y2R8Y06-001M-00				PUR	Shielded
APMU-1DS8X1S8X08-001M-00	M12 S-Female X Code to M12 S-Female X Code 8Pos Cable 8C Black L=0.1M	8		PVC	Unshielded
APMS-1DS8X1S8X08-001M-00				PVC	Shielded
APMU-1DS8X2S8X08-001M-00				PUR	Unshielded
APMS-1DS8X2S8X08-001M-00				PUR	Shielded
APMU-1DS8Y1S8Y06-001M-00	M12 S-Female Y Code to M12 S-Female Y Code 6Pos Cable 2C+4C Black L=0.1M	6		PVC	Unshielded
APMS-1DS8Y1S8Y06-001M-00				PVC	Shielded
APMU-1DS8Y2S8Y06-001M-00				PUR	Unshielded
APMS-1DS8Y2S8Y06-001M-00				PUR	Shielded

M12 Series Both Ended Connector X/Y Coding Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1DS8X1R8X08-001M-00	M12 S-Female X Code to M12 R-Female X Code 8Pos Cable 8C Black L=0.1M	8		PVC	Unshielded
APMS-1DS8X1R8X08-001M-00				PVC	Shielded
APMU-1DS8X2R8X08-001M-00				PUR	Unshielded
APMS-1DS8X2R8X08-001M-00				PUR	Shielded
APMU-1DS8Y1R8Y06-001M-00	M12 S-Female Y Code to M12 R-Female Y Code 6Pos Cable 2C+4C Black L=0.1M	6		PVC	Unshielded
APMS-1DS8Y1R8Y06-001M-00				PVC	Shielded
APMU-1DS8Y2R8Y06-001M-00				PUR	Unshielded
APMS-1DS8Y2R8Y06-001M-00				PUR	Shielded
APMU-1DR8X1R8X08-001M-00	M12 R-Female X Code to M12 R-Female X Code 8Pos Cable 8C Black L=0.1M	8		PVC	Unshielded
APMS-1DR8X1R8X08-001M-00				PVC	Shielded
APMU-1DR8X2R8X08-001M-00				PUR	Unshielded
APMS-1DR8X2R8X08-001M-00				PUR	Shielded
APMU-1DR8Y1R8Y06-001M-00	M12 R-Female Y Code to M12 R-Female Y Code 6Pos Cable 2C+4C Black L=0.1M	6		PVC	Unshielded
APMS-1DR8Y1R8Y06-001M-00				PVC	Shielded
APMU-1DR8Y2R8Y06-001M-00				PUR	Unshielded
APMS-1DR8Y2R8Y06-001M-00				PUR	Shielded

FEATURES

- Degree of Protection: IP67
- 360 Degrees Shielding
- PUR Cables suitable for Drag Chain Application (up to 3 Million Cycles)
- Tpe Cables Suitable for Drag Chain (up to 1 Million Cycles) and Torsion Applications (up to 3 Million Cycles)
- Oil-resistant for PUR or TPE Cable
- Oil-resistant for PUR or TPE or PVC Cable
- Flame Retardant:
- CM for TPE or PVC Cable
- FT2 for PUR Cable

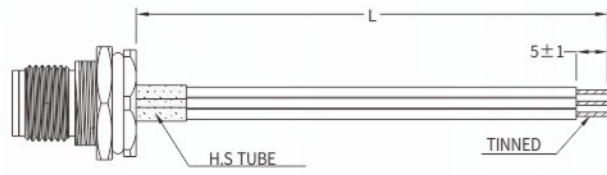
BENEFITS

- Unit Remains Protected or Fully Operational in Most Industrial Applications
- Secured Signal Connections And Data Transmission
- Ensure the Application of Cable Assembly in Flexible Installation Environment
- Ensure the Application of Cable Assembly in Torsion Application Environment
- Oil-resistant for in Oil Industrial Applications
- Application of UV-resistant Environment

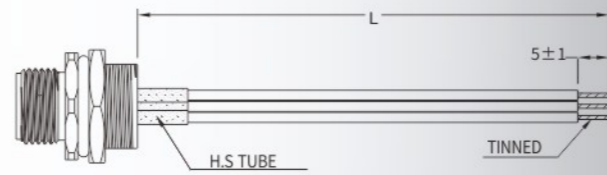
ELECTRICAL

- Rated Voltage: 30V
- Rated Current: 0.5A
- Initial Value Contact Resistance: 15MΩ Max
- Rated Impulse Voltage: 0.5KV

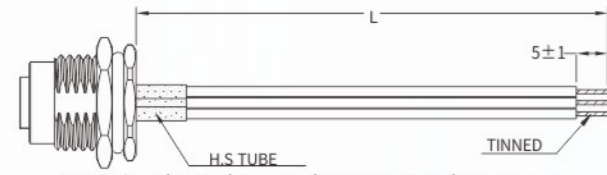
M12 Series Board Ended Connector Harness Assembly Definition



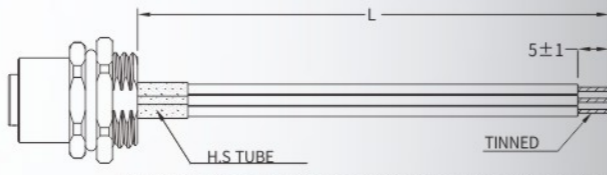
M12 Series Plate End Front Lock Nut Type Male Connector



M12 Series Plate End Rear Lock Nut Type Male Connector



M12 Series Plate End Front Lock Nut Type Female Connector



M12 Series Plate End Rear Lock Nut Type Female Connector

Material

- Contact: Brass, Gold Flash Plating
- Nut: Brass, Nickel Plating
- O-Ring: Silicon Rubber
- Housing: PA
- Key Options: A or B or C or D or S or T or K or L or M or X or Y Coded

M12 Positions:

- A Code: 2,3,4,5,6,8,12,17 Poles
- B Code: 4,5 Poles
- C Code: 2+PE,3+PE,4+PE,5+PE Poles
- D Code: 4 Poles
- S or T Code: 2, 2+PE,3+PE Poles
- K Code: 2, 2+PE,3+PE,4+PE Poles
- L Code: 2, 2+PE,3,3+PE,4,4+PE Poles
- M Code: 2, 2+PE,3+PE,4+PE,5+PE Poles
- X Code: 8 Poles
- Y Code: 6,8 Poles

Wire Length Options: Custom

Mechanical

- Durability: 100 Cycles
- Waterproof: IP67
- Temperature Range:
 - PVC Wire: Fixed: -40°C to +80°C
 - PUR Wire: Fixed: -40°C to +80°C
 - PTFE Wire: Fixed: -100°C to +200°C

Wire or Cable Specification

- Cable Jacket: PVC or PUR
- Wire Jacket: PVC or PUR or PTFE
- Conductor:
 - A Code: 2,3,4,5 Poles or B Code: 4,5 Poles or C Code: 2+PE,3+PE, 4+PE Poles or D Code: 4 Poles :22AWG/24AWG
 - A Code: 6,8, Poles or C Code: 5+PE Poles: 24AWG/26AWG
 - A Code: 12,17 Poles: 26AWG/28AWG
 - S or T or L Code All Poles: 16AWG/18AWG
 - M Code: All Poles: 18AWG/20AWG
 - X Code: 8Poles 24-28AWG
 - Y Code: 6Poles 20AWG*2C+ 26AWG*4C/ 22AWG*2C+28AWG*4C
 - Y Code: 8Poles 20AWG*4C+ 26AWG*4C/ 22AWG*4C+28AWG*4C

M12 Series Board Ended Connector Harness Assembly

Part Number	Part Description	Poles	Type	Wire Material
APMB-F7A0202AW1-001M-00	M12 Male A Code / Contact Plating Gold 3u" /Front Lock Nut / 2 Pos, Wire 2C L=0.1M	2		PVC
APMB-F7A0202AW2-001M-00				TPU
APMB-F7A0202AW3-001M-00				PTFE
APMB-F7B0204AW1-001M-00	M12 Male B Code / Contact Plating Gold 3u" /Front Lock Nut / 4 Pos, Wire 4C L=0.1M	4		PVC
APMB-F7B0204AW2-001M-00				TPU
APMB-F7B0204AW3-001M-00				PTFE
APMB-F7C0203AW1-001M-00	M12 Male C Code / Contact Plating Gold 3u" /Front Lock Nut / 3 Pos, Wire 3C L=0.1M	3		PVC
APMB-F7C0203AW2-001M-00				TPU
APMB-F7C0203AW3-001M-00				PTFE
APMB-F7D0204AW1-001M-00	M12 Male D Code / Contact Plating Gold 3u" /Front Lock Nut / 4 Pos, Wire 4C L=0.1M	4		PVC
APMB-F7D0204AW2-001M-00				TPU
APMB-F7D0204AW3-001M-00				PTFE
APMB-F7S0203AW1-001M-00	M12 Male S Code / Contact Plating Gold 3u" /Front Lock Nut / 3 Pos, Wire 3C L=0.1M	2+PE		PVC
APMB-F7S0203AW2-001M-00				TPU
APMB-F7S0203AW3-001M-00				PTFE
APMB-F7T0203AW1-001M-00	M12 Male T Code / Contact Plating Gold 3u" /Front Lock Nut / 3 Pos, Wire 3C L=0.1M	2+PE		PVC
APMB-F7T0203AW2-001M-00				TPU
APMB-F7T0203AW3-001M-00				PTFE
APMB-F7K0203AW1-001M-00	M12 Male K Code / Contact Plating Gold 3u" /Front Lock Nut / 3 Pos, Wire 3C L=0.1M	2+PE		PVC
APMB-F7K0203AW2-001M-00				TPU
APMB-F7K0203AW3-001M-00				PTFE
APMB-F7L0203AW1-001M-01	M12 Male L Code / Contact Plating Gold 3u" /Front Lock Nut / 3 Pos, Wire 3C L=0.1M	2+PE		PVC
APMB-F7L0203AW2-001M-01				TPU
APMB-F7L0203AW3-001M-01				PTFE
APMB-F7M0203AW1-001M-01	M12 Male M Code / Contact Plating Gold 3u" /Front Lock Nut / 3 Pos, Wire 3C L=0.1M	2+PE		PVC
APMB-F7M0203AW2-001M-01				TPU
APMB-F7M0203AW3-001M-01				PTFE
APMB-F7X0208AW1-001M-00	M12 Male X Code / Contact Plating Gold 3u" /Front Lock Nut / 8 Pos, Wire 8C L=0.1M	8		PVC
APMB-F7X0208AW2-001M-00				TPU
APMB-F7X0208AW3-001M-00				PTFE
APMB-F7Y0208AW1-001M-00	M12 Male Y Code / Contact Plating Gold 3u" /Front Lock Nut / 8 Pos, Wire 4C+4C L=0.1M	8		PVC
APMB-F7Y0208AW2-001M-00				TPU
APMB-F7Y0208AW3-001M-00				PTFE



M12 Series Board Ended Connector Harness Assembly

Part Number	Part Description	Poles	Type	Wire Material
APMB-B7A0202AW1-001M-00	M12 Male A Code / Contact Plating Gold 3u" / Rear Lock Nut / 2 Pos, Wire 2C L=0.1M	2		PVC
APMB-B7A0202AW2-001M-00				TPU
APMB-B7A0202AW3-001M-00				PTFE
APMB-B7B0204AW1-001M-00	M12 Male B Code / Contact Plating Gold 3u" / Rear Lock Nut / 4 Pos, Wire 4C L=0.1M	4		PVC
APMB-B7B0204AW2-001M-00				TPU
APMB-B7B0204AW3-001M-00				PTFE
APMB-B7C0203AW1-001M-00	M12 Male C Code / Contact Plating Gold 3u" / Rear Lock Nut / 3 Pos, Wire 3C L=0.1M	3		PVC
APMB-B7C0203AW2-001M-00				TPU
APMB-B7C0203AW3-001M-00				PTFE
APMB-B7D0204AW1-001M-00	M12 Male D Code / Contact Plating Gold 3u" / Rear Lock Nut / 4 Pos, Wire 4C L=0.1M	4		PVC
APMB-B7D0204AW2-001M-00				TPU
APMB-B7D0204AW3-001M-00				PTFE
APMB-B7S0203AW1-001M-00	M12 Male S Code / Contact Plating Gold 3u" / Rear Lock Nut / 3 Pos, Wire 3C L=0.1M	2+PE	PVC	
APMB-B7S0203AW2-001M-00			TPU	
APMB-B7S0203AW3-001M-00			PTFE	
APMB-B7T0203AW1-001M-00	M12 Male T Code / Contact Plating Gold 3u" / Rear Lock Nut / 3 Pos, Wire 3C L=0.1M	2+PE	PVC	
APMB-B7T0203AW2-001M-00			TPU	
APMB-B7T0203AW3-001M-00			PTFE	
APMB-B7K0203AW1-001M-00	M12 Male K Code / Contact Plating Gold 3u" / Rear Lock Nut / 3 Pos, Wire 3C L=0.1M	2+PE	PVC	
APMB-B7K0203AW2-001M-00			TPU	
APMB-B7K0203AW3-001M-00			PTFE	
APMB-B7L0203AW1-001M-01	M12 Male L Code / Contact Plating Gold 3u" / Rear Lock Nut / 3 Pos, Wire 3C L=0.1M	2+PE	PVC	
APMB-B7L0203AW2-001M-01			TPU	
APMB-B7L0203AW3-001M-01			PTFE	
APMB-B7M0203AW1-001M-01	M12 Male M Code / Contact Plating Gold 3u" / Rear Lock Nut / 3 Pos, Wire 3C L=0.1M	2+PE	PVC	
APMB-B7M0203AW2-001M-01			TPU	
APMB-B7M0203AW3-001M-01			PTFE	
APMB-B7X0208AW1-001M-00	M12 Male X Code / Contact Plating Gold 3u" / Rear Lock Nut / 8 Pos, Wire 8C L=0.1M	8	PVC	
APMB-B7X0208AW2-001M-00			TPU	
APMB-B7X0208AW3-001M-00			PTFE	
APMB-B7Y0208AW1-001M-00	M12 Male Y Code / Contact Plating Gold 3u" / Rear Lock Nut / 8 Pos, Wire 4C+4C L=0.1M	8	PVC	
APMB-B7Y0208AW2-001M-00			TPU	
APMB-B7Y0208AW3-001M-00			PTFE	

M12 Series Board Ended Connector Harness Assembly

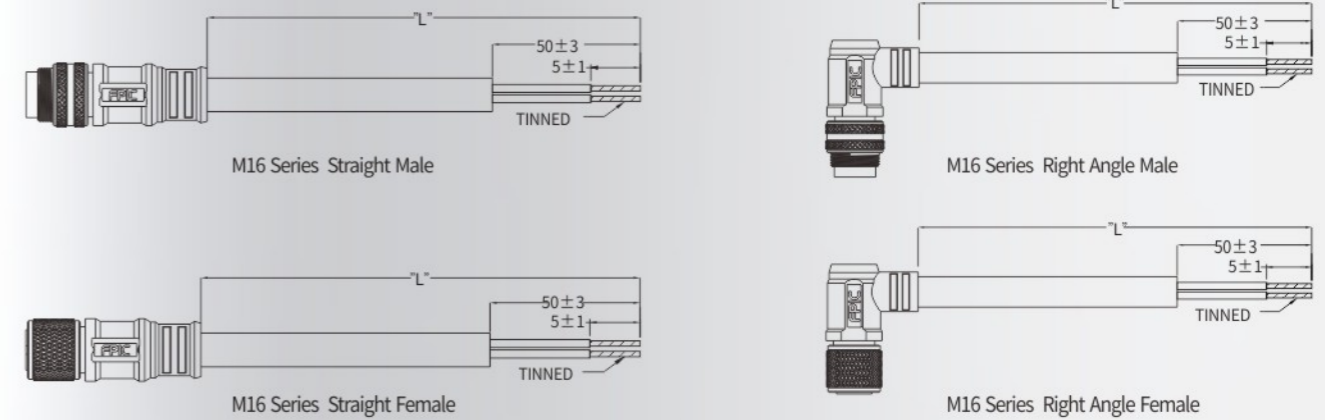
Part Number	Part Description	Poles	Type	Wire Material
APMB-F8A0202AW1-001M-00	M12 Female A Code / Contact Plating Gold 3u" /Front Lock Nut / 2 Pos, Wire 2C L=0.1M	2		PVC
APMB-F8A0202AW2-001M-00				TPU
APMB-F8A0202AW3-001M-00				PTFE
APMB-F8B0204AW1-001M-00	M12 Female B Code / Contact Plating Gold 3u" /Front Lock Nut / 4 Pos, Wire 4C L=0.1M	4		PVC
APMB-F8B0204AW2-001M-00				TPU
APMB-F8B0204AW3-001M-00				PTFE
APMB-F8C0203AW1-001M-00	M12 Female C Code / Contact Plating Gold 3u" /Front Lock Nut / 3 Pos, Wire 3C L=0.1M	3		PVC
APMB-F8C0203AW2-001M-00				TPU
APMB-F8C0203AW3-001M-00				PTFE
APMB-F8D0204AW1-001M-00	M12 Female D Code / Contact Plating Gold 3u" /Front Lock Nut / 4 Pos, Wire 4C L=0.1M	4		PVC
APMB-F8D0204AW2-001M-00				TPU
APMB-F8D0204AW3-001M-00				PTFE
APMB-F8S0203AW1-001M-00	M12 Female S Code / Contact Plating Gold 3u" /Front Lock Nut / 3 Pos, Wire 3C L=0.1M	2+PE	PVC	
APMB-F8S0203AW2-001M-00			TPU	
APMB-F8S0203AW3-001M-00			PTFE	
APMB-F8T0203AW1-001M-00	M12 Female T Code / Contact Plating Gold 3u" /Front Lock Nut / 3 Pos, Wire 3C L=0.1M	2+PE	PVC	
APMB-F8T0203AW2-001M-00			TPU	
APMB-F8T0203AW3-001M-00			PTFE	
APMB-F8K0203AW1-001M-00	M12 Female K Code / Contact Plating Gold 3u" /Front Lock Nut / 3 Pos, Wire 3C L=0.1M	2+PE	PVC	
APMB-F8K0203AW2-001M-00			TPU	
APMB-F8K0203AW3-001M-00			PTFE	
APMB-F8L0203AW1-001M-01	M12 Female L Code / Contact Plating Gold 3u" /Front Lock Nut / 3 Pos, Wire 3C L=0.1M	2+PE	PVC	
APMB-F8L0203AW2-001M-01			TPU	
APMB-F8L0203AW3-001M-01			PTFE	
APMB-F8M0203AW1-001M-01	M12 Female M Code / Contact Plating Gold 3u" /Front Lock Nut / 3 Pos, Wire 3C L=0.1M	2+PE	PVC	
APMB-F8M0203AW2-001M-01			TPU	
APMB-F8M0203AW3-001M-01			PTFE	
APMB-F8X0208AW1-001M-00	M12 Female X Code / Contact Plating Gold 3u" /Front Lock Nut / 8 Pos, Wire 8C L=0.1M	8	PVC	
APMB-F8X0208AW2-001M-00			TPU	
APMB-F8X0208AW3-001M-00			PTFE	
APMB-F8Y0208AW1-001M-00	M12 Female Y Code / Contact Plating Gold 3u" /Front Lock Nut / 8 Pos, Wire 4C+4C L=0.1M	8	PVC	
APMB-F8Y0208AW2-001M-00			TPU	
APMB-F8Y0208AW3-001M-00			PTFE	

M12 Series Board Ended Connector Harness Assembly

Part Number	Part Description	Poles	Type	Wire Material
APMB-B8A0202AW1-001M-00	M12 Female A Code/Contact Plating Gold 3u" /Rear Lock Nut / 2 Pos, Wire 2C L=0.1M	2		PVC
APMB-B8A0202AW2-001M-00				TPU
APMB-B8A0202AW3-001M-00				PTFE
APMB-B8B0204AW1-001M-00	M12 Female B Code / Contact Plating Gold 3u" /Rear Lock Nut / 4 Pos, Wire 4C L=0.1M	4		PVC
APMB-B8B0204AW2-001M-00				TPU
APMB-B8B0204AW3-001M-00				PTFE
APMB-B8C0203AW1-001M-00	M12 Female C Code / Contact Plating Gold 3u" / Rear Lock Nut / 3 Pos, Wire 3C L=0.1M	3		PVC
APMB-B8C0203AW2-001M-00				TPU
APMB-B8C0203AW3-001M-00				PTFE
APMB-B8D0204AW1-001M-00	M12 Female D Code / Contact Plating Gold 3u" / Rear Lock Nut / 4 Pos, Wire 4C L=0.1M	4		PVC
APMB-B8D0204AW2-001M-00				TPU
APMB-B8D0204AW3-001M-00				PTFE
APMB-B8S0203AW1-001M-00	M12 Female S Code / Contact Plating Gold 3u" / Rear Lock Nut / 3 Pos, Wire 3C L=0.1M	2+PE		PVC
APMB-B8S0203AW2-001M-00				TPU
APMB-B8S0203AW3-001M-00				PTFE
APMB-B8T0203AW1-001M-00	M12 Female T Code / Contact Plating Gold 3u" / Rear Lock Nut / 3 Pos, Wire 3C L=0.1M	2+PE		PVC
APMB-B8T0203AW2-001M-00				TPU
APMB-B8T0203AW3-001M-00				PTFE
APMB-B8K0203AW1-001M-00	M12 Female K Code / Contact Plating Gold 3u" / Rear Lock Nut / 3 Pos, Wire 3C L=0.1M	2+PE		PVC
APMB-B8K0203AW2-001M-00				TPU
APMB-B8K0203AW3-001M-00				PTFE
APMB-B8L0203AW1-001M-01	M12 Female L Code / Contact Plating Gold 3u" / Rear Lock Nut / 3 Pos, Wire 3C L=0.1M	2+PE		PVC
APMB-B8L0203AW2-001M-01				TPU
APMB-B8L0203AW3-001M-01				PTFE
APMB-B8M0203AW1-001M-01	M12 Female M Code / Contact Plating Gold 3u" / Rear Lock Nut / 3 Pos, Wire 3C L=0.1M	2+PE		PVC
APMB-B8M0203AW2-001M-01				TPU
APMB-B8M0203AW3-001M-01				PTFE
APMB-B8X0208AW1-001M-00	M12 Female X Code / Contact Plating Gold 3u" /Rear Lock Nut / 8 Pos, Wire 8C L=0.1M	8		PVC
APMB-B8X0208AW2-001M-00				TPU
APMB-B8X0208AW3-001M-00				PTFE
APMB-B8Y0208AW1-001M-00	M12 Female Y Code / Contact Plating Gold 3u" / Rear Lock Nut / 8 Pos, Wire 4C+4C L=0.1M	8		PVC
APMB-B8Y0208AW2-001M-00				TPU
APMB-B8Y0208AW3-001M-00				PTFE



M16 Series Molding Type



M16 Series A Coding Electrical Parameters

Number of Positions	Male A Code	Rated Current	Rated Voltage	Max. Conductor Size		Female A Code
				AWG	mm ²	
2		7A	250V	18	0.75	
3		7A	250V	18	0.75	
4		6A	250V	18	0.75	
5		6A	250V	18	0.75	
6		5A	250V	18	0.75	
7		5A	125V	18	0.75	
8		5A	60V	18	0.75	
12		3A	60V	24	0.25	
14		3A	60V	24	0.25	
16		3A	60V	24	0.25	
19		3A	60V	24	0.25	
24		1A	60V	26	0.14	

M16 Series Single Ended Connector Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1SSAA1NNN02-001M-00	M16 S-Male A Code 2Pos Cable 2C Black L=0.1M	2		PVC	Unshielded
APMS-1SSAA1NNN02-001M-00					Shielded
APMU-1SSAA2NNN02-001M-00				PUR	Unshielded
APMS-1SSAA2NNN02-001M-00					Shielded
APMU-1SSAA1NNN12-001M-00	M16 S-Male A Code 12Pos Cable 12C Black L=0.1M	12		PVC	Unshielded
APMS-1SSAA1NNN12-001M-00					Shielded
APMU-1SSAA2NNN12-001M-00				PUR	Unshielded
APMS-1SSAA2NNN12-001M-00					Shielded
APMU-1SRAA1NNN02-001M-00	M16 R-Male A Code 2Pos Cable 2C Black L=0.1M	2		PVC	Unshielded
APMS-1SRAA1NNN02-001M-00					Shielded
APMU-1SRAA2NNN02-001M-00				PUR	Unshielded
APMS-1SRAA2NNN02-001M-00					Shielded
APMU-1SRAA1NNN12-001M-00	M16 R-Male A Code 12Pos Cable 12C Black L=0.1M	12		PVC	Unshielded
APMS-1SRAA1NNN12-001M-00					Shielded
APMU-1SRAA2NNN12-001M-00				PUR	Unshielded
APMS-1SRAA2NNN12-001M-00					Shielded
APMU-1SSBA1NNN02-001M-00	M16 S-Female A Code 2Pos Cable 2C Black L=0.1M	2		PVC	Unshielded
APMS-1SSBA1NNN02-001M-00					Shielded
APMU-1SSBA2NNN02-001M-00				PUR	Unshielded
APMS-1SSBA2NNN02-001M-00					Shielded
APMU-1SSBA1NNN12-001M-00	M16 S-Female A Code 12Pos Cable 12C Black L=0.1M	12		PVC	Unshielded
APMS-1SSBA1NNN12-001M-00					Shielded
APMU-1SSBA2NNN12-001M-00				PUR	Unshielded
APMS-1SSBA2NNN12-001M-00					Shielded
APMU-1SRBA1NNN02-001M-00	M16 R-Female A Code 2Pos Cable 2C Black L=0.1M	2		PVC	Unshielded
APMS-1SRBA1NNN02-001M-00					Shielded
APMU-1SRBA2NNN02-001M-00				PUR	Unshielded
APMS-1SRBA2NNN02-001M-00					Shielded
APMU-1SRBA1NNN12-001M-00	M16 R-Female A Code 12Pos Cable 12C Black L=0.1M	12		PVC	Unshielded
APMS-1SRBA1NNN12-001M-00					Shielded
APMU-1SRBA2NNN12-001M-00				PUR	Unshielded
APMS-1SRBA2NNN12-001M-00					Shielded

M16 Series Both Ended Connector Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1DSAA1SAA02-001M-00	M16 S-Male A Code to M16 S-Male A Code 2Pos Cable 2C Black L=0.1M	2		PVC	Unshielded
APMS-1DSAA1SAA02-001M-00					Shielded
APMU-1DSAA2SAA02-001M-00				PUR	Unshielded
APMS-1DSAA2SAA02-001M-00					Shielded
APMU-1DSAA1SAA12-001M-00	M16 S-Male A Code to M16 S-Male A Code 12Pos Cable 12C Black L=0.1M	12		PVC	Unshielded
APMS-1DSAA1SAA12-001M-00					Shielded
APMU-1DSAA2SAA12-001M-00				PUR	Unshielded
APMS-1DSAA2SAA12-001M-00					Shielded
APMU-1DSAA1RAA02-001M-00	M16 S-Male A Code to M16 R-Male A Code 2Pos Cable 2C Black L=0.1M	2		PVC	Unshielded
APMS-1DSAA1RAA02-001M-00					Shielded
APMU-1DSAA2RAA02-001M-00				PUR	Unshielded
APMS-1DSAA2RAA02-001M-00					Shielded
APMU-1DSAA1RAA12-001M-00	M16 S-Male A Code to M16 R-Male A Code 12Pos Cable 12C Black L=0.1M	12		PVC	Unshielded
APMS-1DSAA1RAA12-001M-00					Shielded
APMU-1DSAA2RAA12-001M-00				PUR	Unshielded
APMS-1DSAA2RAA12-001M-00					Shielded
APMU-1DSAA1SBA02-001M-00	M16 S-Male A Code to M16 S-Female A Code 2Pos Cable 2C Black L=0.1M	2		PVC	Unshielded
APMS-1DSAA1SBA02-001M-00					Shielded
APMU-1DSAA2SBA02-001M-00				PUR	Unshielded
APMS-1DSAA2SBA02-001M-00					Shielded
APMU-1DSAA1SBA12-001M-00	M16 S-Male A Code to M16 S-Female A Code 12Pos Cable 12C Black L=0.1M	12		PVC	Unshielded
APMS-1DSAA1SBA12-001M-00					Shielded
APMU-1DSAA2SBA12-001M-00				PUR	Unshielded
APMS-1DSAA2SBA12-001M-00					Shielded
APMU-1DSAA1RBA02-001M-00	M16 S-Male A Code to M16 R-Female A Code 2Pos Cable 2C Black L=0.1M	2		PVC	Unshielded
APMS-1DSAA1RBA02-001M-00					Shielded
APMU-1DSAA2RBA02-001M-00				PUR	Unshielded
APMS-1DSAA2RBA02-001M-00					Shielded
APMU-1DSAA1RBA12-001M-00	M16 S-Male A Code to M16 R-Female A Code 12Pos Cable 12C Black L=0.1M	12		PVC	Unshielded
APMS-1DSAA1RBA12-001M-00					Shielded
APMU-1DSAA2RBA12-001M-00				PUR	Unshielded
APMS-1DSAA2RBA12-001M-00					Shielded

M16 Series Both Ended Connector Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1DRAA1RAA02-001M-00	M16 R-Male A Code to M16 R-Male A Code 2Pos Cable 2C Black L=0.1M	2		PVC	Unshielded
APMS-1DRAA1RAA02-001M-00					Shielded
APMU-1DRAA2RAA02-001M-00				PUR	Unshielded
APMS-1DRAA2RAA02-001M-00					Shielded
APMU-1DRAA1RAA12-001M-00	M16 R-Male A Code to M16 R-Male A Code 12Pos Cable 12C Black L=0.1M	12		PVC	Unshielded
APMS-1DRAA1RAA12-001M-00					Shielded
APMU-1DRAA2RAA12-001M-00				PUR	Unshielded
APMS-1DRAA2RAA12-001M-00					Shielded
APMU-1DRAA1SBA02-001M-00	M16 R-Male A Code to M16 S-Female A Code 2Pos Cable 2C Black L=0.1M	2		PVC	Unshielded
APMS-1DRAA1SBA02-001M-00					Shielded
APMU-1DRAA2SBA02-001M-00				PUR	Unshielded
APMS-1DRAA2SBA02-001M-00					Shielded
APMU-1DRAA1SBA12-001M-00	M16 R-Male A Code to M16 S-Female A Code 12Pos Cable 12C Black L=0.1M	12		PVC	Unshielded
APMS-1DRAA1SBA12-001M-00					Shielded
APMU-1DRAA2SBA12-001M-00				PUR	Unshielded
APMS-1DRAA2SBA12-001M-00					Shielded
APMU-1DRAA1RBA02-001M-00	M16 R-Male A Code to M16 R-Female A Code 2Pos Cable 2C Black L=0.1M	2		PVC	Unshielded
APMS-1DRAA1RBA02-001M-00					Shielded
APMU-1DRAA2RBA02-001M-00				PUR	Unshielded
APMS-1DRAA2RBA02-001M-00					Shielded
APMU-1DRAA1RBA12-001M-00	M16 R-Male A Code to M16 R-Female A Code 12Pos Cable 12C Black L=0.1M	12		PVC	Unshielded
APMS-1DRAA1RBA12-001M-00					Shielded
APMU-1DRAA2RBA12-001M-00				PUR	Unshielded
APMS-1DRAA2RBA12-001M-00					Shielded
APMU-1DSBA1SBA02-001M-00	M16 S-Female A Code to M16 S-Female A Code 2Pos Cable 2C Black L=0.1M	2		PVC	Unshielded
APMS-1DSBA1SBA02-001M-00					Shielded
APMU-1DSBA2SBA02-001M-00				PUR	Unshielded
APMS-1DSBA2SBA02-001M-00					Shielded
APMU-1DSBA1SBA12-001M-00	M16 S-Female A Code to M16 S-Female A Code 12Pos Cable 12C Black L=0.1M	12		PVC	Unshielded
APMS-1DSBA1SBA12-001M-00					Shielded
APMU-1DSBA2SBA12-001M-00				PUR	Unshielded
APMS-1DSBA2SBA12-001M-00					Shielded

M16 Series Both Ended Connector Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1DSBA1RBA02-001M-00	M16 S-Female A Code to M16 R-Female A Code 2Pos Cable 2C Black L=0.1M	2		PVC	Unshielded
APMS-1DSBA1RBA02-001M-00					Shielded
APMU-1DSBA2RBA02-001M-00				PUR	Unshielded
APMS-1DSBA2RBA02-001M-00					Shielded
APMU-1DSBA1RBA12-001M-00	M16 S-Female A Code to M16 R-Female A Code 12Pos Cable 12C Black L=0.1M	12		PVC	Unshielded
APMS-1DSBA1RBA12-001M-00					Shielded
APMU-1DSBA2RBA12-001M-00				PUR	Unshielded
APMS-1DSBA2RBA12-001M-00					Shielded
APMU-1DRBA1RBA02-001M-00	M16 R-Female A Code to M16 R-Female A Code 2Pos Cable 2C Black L=0.1M	2		PVC	Unshielded
APMS-1DRBA1RBA02-001M-00					Shielded
APMU-1DRBA2RBA02-001M-00				PUR	Unshielded
APMS-1DRBA2RBA02-001M-00					Shielded
APMU-1DRBA1RBA12-001M-00	M16 R-Female A Code to M16 R-Female A Code 12Pos Cable 12C Black L=0.1M	12		PVC	Unshielded
APMS-1DRBA1RBA12-001M-00					Shielded
APMU-1DRBA2RBA12-001M-00				PUR	Unshielded
APMS-1DRBA2RBA12-001M-00					Shielded

Material

- Contact: Brass, Gold Flash Plating
 - Nut: Brass, Nickel Plating
 - O-Ring: Silicon Rubber
 - Housing: PA
 - Over-Molding: PVC or TPU
 - Over-Molding Color: Black or Gray
- Key Options: A Coded
M16 Positions: 2,3,4,5,6,7,8,12,14,16,19,24Poles
M16 Single or Both Ended Cable Assembly
Cable Length Options: Custom

Cable Specification

Cable Jacket: PVC or PUR
Cable Assembly: Shielded or Unshielded Versions
Jacket Color: Black or Gray
Conductor:
2-8Poles: 18AWG/20AWG
12-19Poles: 24AWG/26AWG
24Poles: 26AWG/28AWG

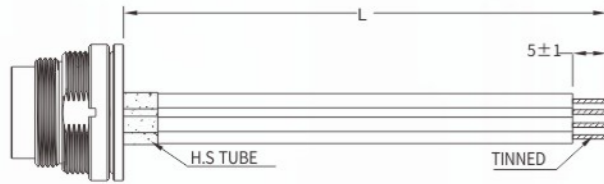
Mechanical

Durability:100 Cycles
Degree of Protection: IP67
Temperature Range:
-PVC or PUR:
Fixed: -40°C to +80°C
Flexible: -20°C to +80°C

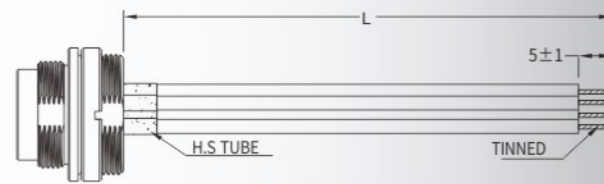
Electrical

Current Rating/Voltage Rating:
2Poles or 3Poles: 7A/250V
4Poles or 5Poles: 6A/250V
6Poles: 5A/250V; 7Poles: 5A/125V; 8Poles: 5A/60V
12-19Poles: 3A/60V
24Poles: 1A/60V
Insulation Resistance: 100MΩ Min.

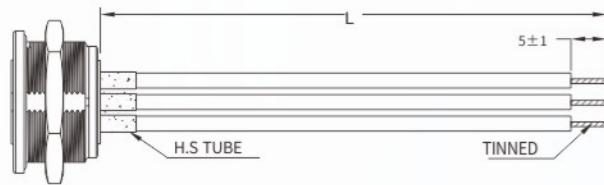
M16 Series Board Ended Connector Harness Assembly



M16 Series Plate End Front Lock Nut Type Male Connector



M16 Series Plate End Rear Lock Nut Type Male Connector



M16 Series Plate End Front Lock Nut Type Female Connector



M16 Series Plate End Rear Lock Nut Type Female Connector

Material

- Contact: Brass, Gold Flash Plating
- Nut: Brass, Nickel Plating
- O-Ring: Silicon Rubber
- Housing: PA
- Key Options: A Coded
- M9 Positions: 2,3,4,5,6,7,8,12,14,16,19,24 Poles
- Wire Length Options: Custom

Wire or Cable Specification

- Cable Jacket: PVC or PUR
- Wire Jacket: PVC or PUR or PTFE
- Conductor:
 - 5A~6A 18AWG/20AWG
 - 3A 24AWG/26AWG
 - 1A 26AWG/28AWG

Mechanical

- Durability:100 Cycles
- Degree of Protection: IP67
- Temperature Range:
 - PVC Wire: Fixed: -40°C to +80°C
 - PUR Wire: Fixed: -40°C to +80°C
 - PTFE Wire: Fixed: -100°C to +200°C

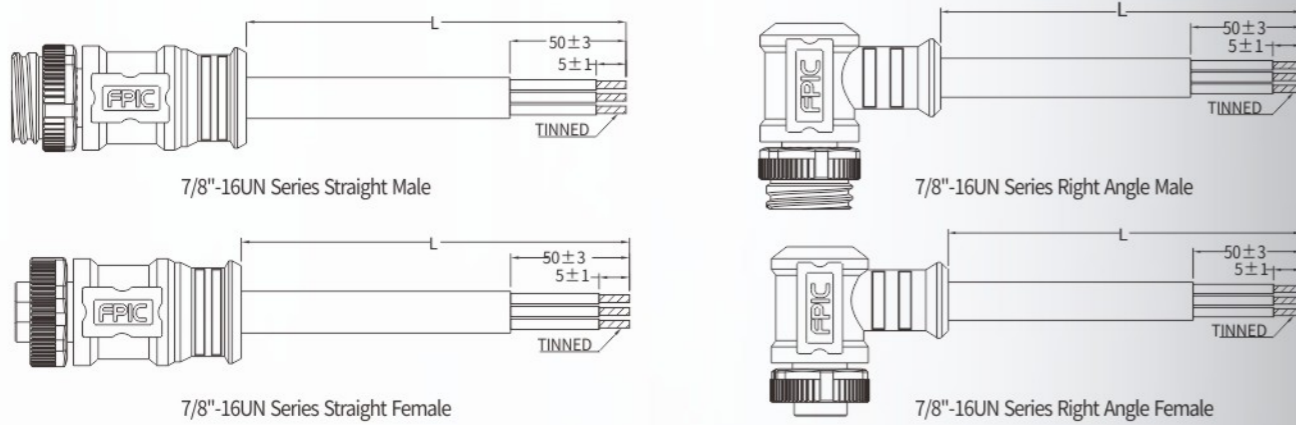
Electrical

- Current Rating/Voltage Rating :
 - 2 or 3Poles: 7A/250V
 - 4 or 5Poles: 6A/250V
 - 6 or 7Poles: 5A/125V
 - 8Poles: 5A/60V
 - 12 or 14 or 16 or 19Poles: 3A/60V
 - 24Poles: 1A/60V
- Insulation Resistance: 100MΩMin

M16 Series Board Ended Connector Harness Assembly

Part Number	Part Description	Poles	Type	Wire Material
APMB-FAA0102AW1-001M-00	M16 Male A Code/Contact Plating Gold 3u" /Front Lock Nut / 2Pos, Wire 2C L=0.1M	2		PVC
APMB-FAA0102AW2-001M-00				TPU
APMB-FAA0102AW3-001M-00				PTFE
APMB-FAA0112AW1-001M-00	M16 Male A Code / Contact Plating Gold 3u" /Front Lock Nut / 12Pos, Wire 12C L=0.1M	12		PVC
APMB-FAA0112AW2-001M-00				TPU
APMB-FAA0112AW3-001M-00				PTFE
APMB-FAA0124AW1-001M-00	M16 Male A Code / Contact Plating Gold 3u" /Front Lock Nut / 24Pos, Wire 24C L=0.1M	24		PVC
APMB-FAA0124AW2-001M-00				TPU
APMB-FAA0124AW3-001M-00				PTFE
APMB-BAA0102AW1-001M-00	M16 Male A Code / Contact Plating Gold 3u" / Rear Lock Nut / 2Pos, Wire 2C L=0.1M	2		PVC
APMB-BAA0102AW2-001M-00				TPU
APMB-BAA0102AW3-001M-00				PTFE
APMB-BAA0112AW1-001M-00	M16 Male A Code / Contact Plating Gold 3u" / Rear Lock Nut / 12Pos, Wire 12C L=0.1M	12		PVC
APMB-BAA0112AW2-001M-00				TPU
APMB-BAA0112AW3-001M-00				PTFE
APMB-BAA0124AW1-001M-00	M16 Male A Code / Contact Plating Gold 3u" / Rear Lock Nut / 24Pos, Wire 24C L=0.1M	24		PVC
APMB-BAA0124AW2-001M-00				TPU
APMB-BAA0124AW3-001M-00				PTFE
APMB-FBA0102AW1-001M-00	M16 Female A Code / Contact Plating Gold 3u" / Front Lock Nut / 2Pos, Wire 2C L=0.1M	2		PVC
APMB-FBA0102AW2-001M-00				TPU
APMB-FBA0102AW3-001M-00				PTFE
APMB-FBA0112AW1-001M-00	M16 Female A Code / Contact Plating Gold 3u" / Front Lock Nut / 12Pos, Wire 12C L=0.1M	12		PVC
APMB-FBA0112AW2-001M-00				TPU
APMB-FBA0112AW3-001M-00				PTFE
APMB-FBA0124AW1-001M-00	M16 Female A Code / Contact Plating Gold 3u" / Front Lock Nut / 24Pos, Wire 24C L=0.1M	24		PVC
APMB-FBA0124AW2-001M-00				TPU
APMB-FBA0124AW3-001M-00				PTFE
APMB-BBA0102AW1-001M-00	M16 Female A Code / Contact Plating Gold 3u" / Rear Lock Nut / 2Pos, Wire 2C L=0.1M	2		PVC
APMB-BBA0102AW2-001M-00				TPU
APMB-BBA0102AW3-001M-00				PTFE
APMB-BBA0112AW1-001M-00	M16 Female A Code / Contact Plating Gold 3u" / Rear Lock Nut / 12Pos, Wire 12C L=0.1M	12		PVC
APMB-BBA0112AW2-001M-00				TPU
APMB-BBA0112AW3-001M-00				PTFE
APMB-BBA0124AW1-001M-00	M16 Female A Code / Contact Plating Gold 3u" / Rear Lock Nut / 24Pos, Wire 24C L=0.1M	24		PVC
APMB-BBA0124AW2-001M-00				TPU
APMB-BBA0124AW3-001M-00				PTFE

7/8"-16UN Series Molding Type



7/8"-16UN Series Coding Electrical Parameters

Interface Code Type	Poles	Male	Rated Current	Rated Voltage	Max. Conductor Size		Female
					AWG	mm ²	
A	3		12A	300V	16AWG	1.3	
	4		9A	300V	16AWG	1.3	
	5		9A	300V	16AWG	1.3	

7/8"-16UN Series A Coding Cable Color Definition









From Poles	Wire Core Color		To Poles	From Poles	Wire Core Color		To Poles
	3 Poles				5 Poles		
1/PE	GN/YE		1	1	BK		1
2	BR		2	2	BU		2
3	BU		3	3/PE	GN/YE		3
				4	BR		4
				5	WH		5

From Poles	Wire Core Color		To Poles
	4Poles		
1	BK		1
2	BU		2
3	BR		3
4/PE	WH		4




7/8"-16UN Series A Coding Cable Color Definition

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded	
APMU-1SSCA1NNN03-001M-00	7/8"-16UN S-Male A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded	
APMS-1SSCA1NNN03-001M-00				PUR	Shielded	
APMU-1SSCA2NNN03-001M-00	7/8"-16UN S-Male A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded	
APMS-1SSCA2NNN03-001M-00				PUR	Shielded	
APMU-1SSCA1NNN04-001M-00	7/8"-16UN R-Male A Code 3Pos Cable 3C Black L=0.1M	3			PVC	Unshielded
APMS-1SSCA1NNN04-001M-00					PUR	Shielded
APMU-1SSCA2NNN04-001M-00	7/8"-16UN R-Male A Code 4Pos Cable 4C Black L=0.1M	4	PVC		Unshielded	
APMS-1SSCA2NNN04-001M-00			PUR		Shielded	
APMU-1SSDA1NNN03-001M-00	7/8"-16UN S-Female A Code 3Pos Cable 3C Black L=0.1M	3			PVC	Unshielded
APMS-1SSDA1NNN03-001M-00					PUR	Shielded
APMU-1SSDA2NNN03-001M-00	7/8"-16UN S-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded	
APMS-1SSDA2NNN03-001M-00				PUR	Shielded	
APMU-1SRDA1NNN03-001M-00	7/8"-16UN R-Female A Code 3Pos Cable 3C Black L=0.1M	3			PVC	Unshielded
APMS-1SRDA1NNN03-001M-00					PUR	Shielded
APMU-1SRDA2NNN03-001M-00	7/8"-16UN R-Female A Code 4Pos Cable 4C Black L=0.1M	4	PVC		Unshielded	
APMS-1SRDA2NNN03-001M-00			PUR		Shielded	





7/8"-16UN Series Both Ended Connector Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1DSCA1SCA03-001M-00	7/8"-16UN S-Male A Code to 7/8"-16UN S-Male A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DSCA1SCA03-001M-00				Shielded	
APMU-1DSCA2SCA03-001M-00				PUR	Unshielded
APMS-1DSCA2SCA03-001M-00				Shielded	
APMU-1DSCA1SCA04-001M-00	7/8"-16UN S-Male A Code to 7/8"-16UN S-Male A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DSCA1SCA04-001M-00				Shielded	
APMU-1DSCA2SCA04-001M-00				PUR	Unshielded
APMS-1DSCA2SCA04-001M-00				Shielded	
APMU-1DSCA1RCA03-001M-00	7/8"-16UN S-Male A Code to 7/8"-16UN R-Male A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DSCA1RCA03-001M-00				Shielded	
APMU-1DSCA2RCA03-001M-00				PUR	Unshielded
APMS-1DSCA2RCA03-001M-00				Shielded	
APMU-1DSCA1RCA04-001M-00	7/8"-16UN S-Male A Code to 7/8"-16UN R-Male A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DSCA1RCA04-001M-00				Shielded	
APMU-1DSCA2RCA04-001M-00				PUR	Unshielded
APMS-1DSCA2RCA04-001M-00				Shielded	
APMU-1DSCA1SDA03-001M-00	7/8"-16UN S-Male A Code to 7/8"-16UN S-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DSCA1SDA03-001M-00				Shielded	
APMU-1DSCA2SDA03-001M-00				PUR	Unshielded
APMS-1DSCA2SDA03-001M-00				Shielded	
APMU-1DSCA1SDA04-001M-00	7/8"-16UN S-Male A Code to 7/8"-16UN S-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DSCA1SDA04-001M-00				Shielded	
APMU-1DSCA2SDA04-001M-00				PUR	Unshielded
APMS-1DSCA2SDA04-001M-00				Shielded	
APMU-1DSCA1RDA03-001M-00	7/8"-16UN S-Male A Code to 7/8"-16UN R-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DSCA1RDA03-001M-00				Shielded	
APMU-1DSCA2RDA03-001M-00				PUR	Unshielded
APMS-1DSCA2RDA03-001M-00				Shielded	
APMU-1DSCA1RDA04-001M-00	7/8"-16UN S-Male A Code to 7/8"-16UN R-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DSCA1RDA04-001M-00				Shielded	
APMU-1DSCA2RDA04-001M-00				PUR	Unshielded
APMS-1DSCA2RDA04-001M-00				Shielded	

7/8"-16UN Series Both Ended Connector Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1DRCA1RDA03-001M-00	7/8"-16UN R-Male A Code to 7/8"-16UN R-Male A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DRCA1RDA03-001M-00				Shielded	
APMU-1DRCA2RCA03-001M-00				PUR	Unshielded
APMS-1DRCA2RCA03-001M-00				Shielded	
APMU-1DRCA1RCA04-001M-00	7/8"-16UN R-Male A Code to 7/8"-16UN R-Male A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DRCA1RCA04-001M-00				Shielded	
APMU-1DRCA2RCA04-001M-00				PUR	Unshielded
APMS-1DRCA2RCA04-001M-00				Shielded	
APMU-1DRCA1SDA03-001M-00	7/8"-16UN R-Male A Code to 7/8"-16UN S-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DRCA1SDA03-001M-00				Shielded	
APMU-1DRCA2SDA03-001M-00				PUR	Unshielded
APMS-1DRCA2SDA03-001M-00				Shielded	
APMU-1DRCA1SDA04-001M-00	7/8"-16UN R-Male A Code to 7/8"-16UN S-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DRCA1SDA04-001M-00				Shielded	
APMU-1DRCA2SDA04-001M-00				PUR	Unshielded
APMS-1DRCA2SDA04-001M-00				Shielded	
APMU-1DRCA1RDA03-001M-00	7/8"-16UN R-Male A Code to 7/8"-16UN R-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DRCA1RDA03-001M-00				Shielded	
APMU-1DRCA2RDA03-001M-00				PUR	Unshielded
APMS-1DRCA2RDA03-001M-00				Shielded	
APMU-1DRCA1RDA04-001M-00	7/8"-16UN R-Male A Code to 7/8"-16UN R-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DRCA1RDA04-001M-00				Shielded	
APMU-1DRCA2RDA04-001M-00				PUR	Unshielded
APMS-1DRCA2RDA04-001M-00				Shielded	
APMU-1DSDA1SDA03-001M-00	7/8"-16UN S-Female A Code to 7/8"-16UN S-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DSDA1SDA03-001M-00				Shielded	
APMU-1DSDA2SDA03-001M-00				PUR	Unshielded
APMS-1DSDA2SDA03-001M-00				Shielded	
APMU-1DSDA1SDA04-001M-00	7/8"-16UN S-Female A Code to 7/8"-16UN S-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DSDA1SDA04-001M-00				Shielded	
APMU-1DSDA2SDA04-001M-00				PUR	Unshielded
APMS-1DSDA2SDA04-001M-00				Shielded	

7/8"-16UN Series Both Ended Connector Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1DSDA1RDA03-001M-00	7/8"-16UN S-Female A Code to 7/8"-16UN R-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DSDA1RDA03-001M-00				Shielded	
APMU-1DSDA2RDA03-001M-00				PUR	Unshielded
APMS-1DSDA2RDA03-001M-00				Shielded	
APMU-1DSDA1RDA04-001M-00	7/8"-16UN S-Female A Code to 7/8"-16UN R-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DSDA1RDA04-001M-00				Shielded	
APMU-1DSDA2RDA04-001M-00				PUR	Unshielded
APMS-1DSDA2RDA04-001M-00				Shielded	
APMU-1DRDA1RDA03-001M-00	7/8"-16UN R-Female A Code to 7/8"-16UN R-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DRDA1RDA03-001M-00				Shielded	
APMU-1DRDA2RDA03-001M-00				PUR	Unshielded
APMS-1DRDA2RDA03-001M-00				Shielded	
APMU-1DRDA1RDA04-001M-00	7/8"-16UN R-Female A Code to 7/8"-16UN R-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DRDA1RDA04-001M-00				Shielded	
APMU-1DRDA2RDA04-001M-00				PUR	Unshielded
APMS-1DRDA2RDA04-001M-00				Shielded	

Material

- Contact: Brass, Gold Flash Plating
- Nut: Brass, Nickel Plating
- O-Ring: Silicon Rubber
- Housing: PA
- Over-Molding: PVC or TPU
- Over-Molding Color: Black or Gray
- Key Options: A Coded

7/8"-16UN Positions: 3,4,5Poles
7/8-16UN Single or Both Ended Cable Assembly
Cable Length Options: Custom

Cable Specification

Cable Jacket: PVC or PUR
Cable Assembly: Shielded or Unshielded Versions
Jacket Color: Black or Gray
Conductor:
16AWG/18AWG

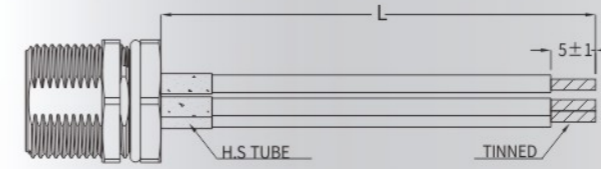
Mechanical

Durability: 100 Cycles
Degree of Protection: IP67
Temperature Range:
-PVC/PUR:
Fixed: -40°C to +80°C
Flexible: -20°C to +80°C

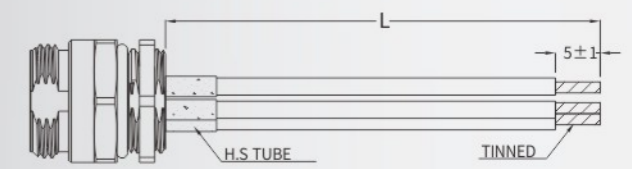
Electrical

Current Rating/Voltage Rating:
3Poles: 12A/300V
4Poles or 5Poles: 9A/300V
Insulation Resistance: 100MΩ Min.

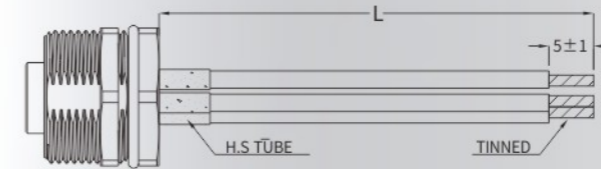
7/8"-16UN Series Board Ended Connector Harness Assembly



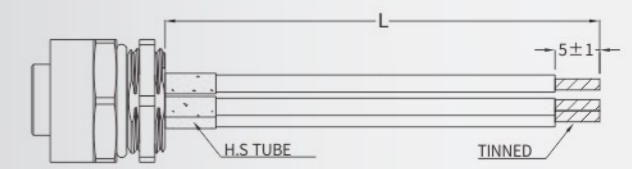
7/8"-16UN Series Plate End Front Lock Nut Type Male Connector



7/8"-16UN Series Plate End Rear Lock Nut Type Male Connector



7/8"-16UN Series Plate End Front Lock Nut Type Female Connector



7/8"-16UN Series Plate End Rear Lock Nut Type Female Connector

Material

- Contact: Brass, Gold Flash Plating
 - Nut: Brass, Nickel Plating
 - O-Ring: Silicon Rubber
 - Housing: PA
- Key Options: A Coded
7/8"-16UN Positions: 3,4,5Poles
Wire Length Options: Custom

Wire or Cable Specifications

Cable Jacket: PVC or PUR
Wire Jacket: PVC or PUR or PTFE
Conductor:
16AWG/18AWG

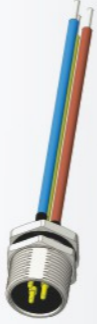
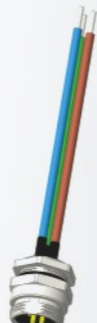
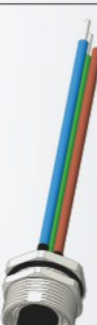

Mechanical

Durability: 100 Cycles
Degree of Protection: IP67
Temperature Range:
-PVC Wire:
Fixed: -40°C to +80°C
-PUR Wire:
Fixed: -40°C to +80°C
-PTFE Wire:
Fixed: -100°C to +200°C

Electrical

Current Rating/Voltage Rating:
3Poles: 12A/300V
4 or 5Poles: 9A/300V
Insulation Resistance: 100MΩ Min

7/8"-16UN Series Board Ended Connector Harness Assembly

Part Number	Part Description	Poles	Type	Wire Material
APMB-FCA0403AW1-001M-00	7/8"-16UN Male A Code/Contact Plating Gold 3u"/ Front Lock Nut/ Wire 3C L=0.1M	3		PVC
APMB-FCA0403AW2-001M-00				TPU
APMB-FCA0403AW3-001M-00				PTFE
APMB-FCA0404AW1-001M-00	7/8"-16UN Male A Code/Contact Plating Gold 3u"/ Front Lock Nut/ Wire 4C L=0.1M	4		PVC
APMB-FCA0404AW2-001M-00				TPU
APMB-FCA0404AW3-001M-00				PTFE
APMB-FCA0405AW1-001M-00	7/8"-16UN Male A Code/Contact Plating Gold 3u"/ Front Lock Nut/ Wire 5C L=0.1M	5		PVC
APMB-FCA0405AW2-001M-00				TPU
APMB-FCA0405AW3-001M-00				PTFE
APMB-BCA0403AW1-001M-00	7/8"-16UN Male A Code/Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 3C L=0.1M	3		PVC
APMB-BCA0403AW2-001M-00				TPU
APMB-BCA0403AW3-001M-00				PTFE
APMB-BCA0404AW1-001M-00	7/8"-16UN Male A Code/Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 4C L=0.1M	4		PVC
APMB-BCA0404AW2-001M-00				TPU
APMB-BCA0404AW3-001M-00				PTFE
APMB-BCA0405AW1-001M-00	7/8"-16UN Male A Code/Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 5C L=0.1M	5		PVC
APMB-BCA0405AW2-001M-00				TPU
APMB-BCA0405AW3-001M-00				PTFE
APMB-FDA0403AW1-001M-00	7/8"-16UN Female A Code/Contact Plating Gold 3u"/ Front Lock Nut/ Wire 3C L=0.1M	3		PVC
APMB-FDA0403AW2-001M-00				TPU
APMB-FDA0403AW3-001M-00				PTFE
APMB-FDA0404AW1-001M-00	7/8"-16UN Female A Code/Contact Plating Gold 3u"/ Front Lock Nut/ Wire 4C L=0.1M	4		PVC
APMB-FDA0404AW2-001M-00				TPU
APMB-FDA0404AW3-001M-00				PTFE
APMB-FDA0405AW1-001M-00	7/8"-16UN Female A Code/Contact Plating Gold 3u"/ Front Lock Nut/ Wire 5C L=0.1M	5		PVC
APMB-FDA0405AW2-001M-00				TPU
APMB-FDA0405AW3-001M-00				PTFE
APMB-BDA0403AW1-001M-00	7/8"-16UN Female A Code/Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 3C L=0.1M	3		PVC
APMB-BDA0403AW2-001M-00				TPU
APMB-BDA0403AW3-001M-00				PTFE
APMB-BDA0404AW1-001M-00	7/8"-16UN Female A Code/Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 4C L=0.1M	4		PVC
APMB-BDA0404AW2-001M-00				TPU
APMB-BDA0404AW3-001M-00				PTFE
APMB-BDA0405AW1-001M-00	7/8"-16UN Female A Code/Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 5C L=0.1M	5		PVC
APMB-BDA0405AW2-001M-00				TPU
APMB-BDA0405AW3-001M-00				PTFE

**"STRIVING FOR PERFECTION
IN EVERY THINGS
YOU DO"**

By : Sir Henry Royce