

With a high degree of mechanical and electrical stability, **Bulgin's M12 X Coding connectors** provide a **cost effective and flexible connectivity solution** for onsite installations, helping to **decrease downtime** in process control, manufacturing automation and industrial instrumentation applications.

## Key features:

- Reliable industry standard (EN 61076-2-109) screw locking mechanism
- Field installable, cable and panel mount options
- Maximum Data Signaling Rate to 10Gbit/s
- -25 °C to 85 °C Temperature Range
- Plastic and metal options variants
- Cat6a cables
- Ethernet, Profinet Application
- 800V Rated Impulse Voltage
- IP67 degree of protection
- 0.5A Rated Current
- M12 X Coding

**Full Contact Diagrams Page 151**

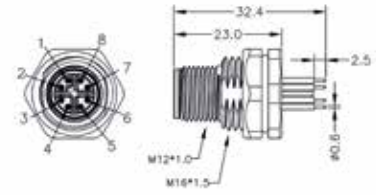


M12 X Code Rear Panel Mounting Male



PXMBNI12RPM08XPCM16

- 8 pole
- PCB termination
- Different panel mounting options available
- Mates with flex body connectors



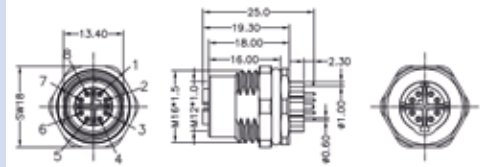
Part Number	Poles	Code	Termination	Mounting Nut
PXMBNI12RPM08XPCM16	08	X	PCB Terminal	M16 Mounting / Gland Nut Thread

M12 X Code Rear Panel Mounting Female



PXMBNI12RPF08XPCM16

- 8 pole
- PCB termination
- Different panel mounting options available
- Mates with flex inline body connectors



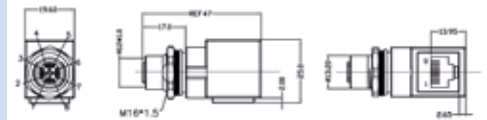
Part Number	Poles	Code	Termination	Mounting Nut
PXMBNI12RPF08XPCM16	08	X	PCB Terminal	M16 Mounting / Gland Nut Thread

M12 X Code Rear Panel Mounting Female - RJ45



PXMBNI12RAF08XRJM16

- 8 pole
- Solder termination
- Metal flex body
- Mates with flex inline body connectors



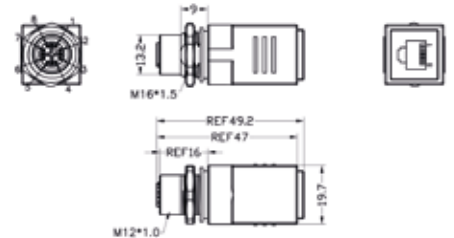
Part Number	Poles	Code	Termination	Mounting Nut
PXMBNI12RAF08XRJM16	08	X	RJ45	M16 Mounting / Gland Nut Thread

M12 X Code Rear Panel Mounting Female - RJ45



PXMBNI12RPM08XRJM16

- 8 pole
- Solder termination
- Metal flex body
- Mates with flex inline body connectors



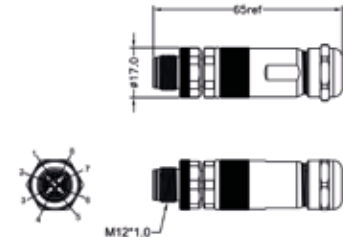
Part Number	Poles	Code	Termination	Mounting Nut
PXMBNI12RPM08XRJM16	08	X	RJ45	M16 Mounting / Gland Nut Threa

Nickel Plated M12 X Code Flex Inline Body Male



PXMBNI12FIM08XSCPG9

- 8 pole
- Solder termination
- Metal flex inline body
- Mates with flex body and panel mount connectors



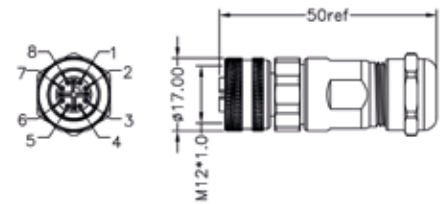
Part Number	Poles	Code	Termination	Mounting Nut
PXMBNI12FIM08XSCPG9	08	X	Solder Terminal	PG9 Mounting / Gland Nut Thread

Nickel Plating M12 X Code Flex Body Female



PXMBNI12FBF08XSCPG9

- 8 pole
- Solder termination
- Metal Flex Body
- Mates with Flex Inline Body and panel mount connectors

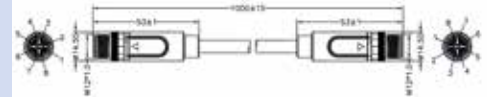


Part Number	Poles	Code	Termination	Mounting Nut
PXMBNI12FBF08XSCPG9	08	X	Solder Terminal	PG9 Mounting / Gland Nut Threa



PXPTPU12FIM08XFI010PU

- 8 pole
- Choice of cable lengths
- TPU flex body overmold
- PU jacket cable

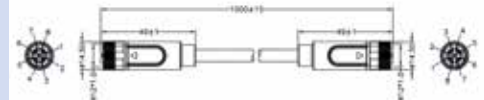


Part Number	Poles	Code	Termination	Lead Length	Cable Material
PXPTPU12FIM08XFI010PU	08	X	Overmold Cable	1m	PU
PXPTPU12FIM08XFI020PU	08	X	Overmold Cable	2m	PU
PXPTPU12FIM08XFI030PU	08	X	Overmold Cable	3m	PU
PXPTPU12FIM08XFI050PU	08	X	Overmold Cable	5m	PU
PXPTPU12FIM08XFI100PU	08	X	Overmold Cable	10m	PU




PXPTPU12FBF08XFB010PU

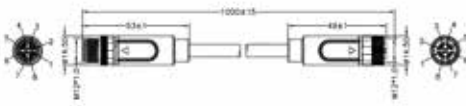
- 8 pole
- Choice of cable lengths
- TPU flex body overmold
- PU jacket cable



Part Number	Poles	Code	Termination	Lead Length	Cable Material
PXPTPU12FBF08XFB010PU	08	X	Overmold Cable	1m	PU
PXPTPU12FBF08XFB020PU	08	X	Overmold Cable	2m	PU
PXPTPU12FBF08XFB030PU	08	X	Overmold Cable	3m	PU
PXPTPU12FBF08XFB050PU	08	X	Overmold Cable	5m	PU
PXPTPU12FBF08XFB100PU	08	X	Overmold Cable	10m	PU




- 8 pole
- Choice of cable lengths
- TPU flex body overmold
- PU jacket cable

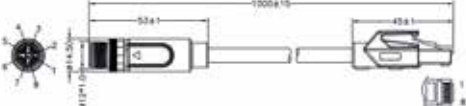


PXPTPU12FIM08XFB010PU

Part Number	Poles	Code	Termination	Lead Length	Cable Material
PXPTPU12FIM08XFB010PU	08	X	Overmold Cable	1m	PU
PXPTPU12FIM08XFB020PU	08	X	Overmold Cable	2m	PU
PXPTPU12FIM08XFB030PU	08	X	Overmold Cable	3m	PU
PXPTPU12FIM08XFB050PU	08	X	Overmold Cable	5m	PU
PXPTPU12FIM08XFB100PU	08	X	Overmold Cable	10m	PU




- 8 pole
- Choice of cable lengths
- TPU flex body overmold
- PU jacket cable

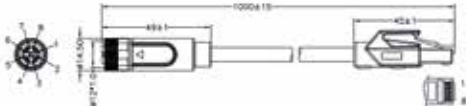


PXPTPU12FIM08XRJ010PU

Part Number	Poles	Code	Termination	Lead Length	Cable Material
PXPTPU12FIM08XRJ010PU	08	X	Overmold Cable	1m	PU
PXPTPU12FIM08XRJ020PU	08	X	Overmold Cable	2m	PU
PXPTPU12FIM08XRJ030PU	08	X	Overmold Cable	3m	PU
PXPTPU12FIM08XRJ050PU	08	X	Overmold Cable	5m	PU
PXPTPU12FIM08XRJ100PU	08	X	Overmold Cable	10m	PU




- 8 pole
- Choice of cable lengths
- TPU flex body overmold
- PU jacket cable

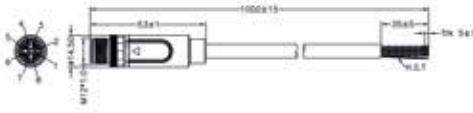


PXPTPU12FBF08XRJ010PU

Part Number	Poles	Code	Termination	Lead Length	Cable Material
PXPTPU12FBF08XRJ010PU	08	X	Overmold Cable	1m	PU
PXPTPU12FBF08XRJ020PU	08	X	Overmold Cable	2m	PU
PXPTPU12FBF08XRJ030PU	08	X	Overmold Cable	3m	PU
PXPTPU12FBF08XRJ050PU	08	X	Overmold Cable	5m	PU
PXPTPU12FBF08XRJ100PU	08	X	Overmold Cable	10m	PU




- 8 pole
- Choice of cable lengths
- TPU flex body overmold
- PU jacket cable

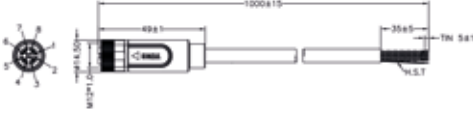


PXPTPU12FIM08XCL010PU

Part Number	Poles	Code	Termination	Lead Length	Cable Material
PXPTPU12FIM08XCL010PU	08	X	Overmold Cable	1m	PU
PXPTPU12FIM08XCL020PU	08	X	Overmold Cable	2m	PU
PXPTPU12FIM08XCL030PU	08	X	Overmold Cable	3m	PU
PXPTPU12FIM08XCL050PU	08	X	Overmold Cable	5m	PU
PXPTPU12FIM08XCL100PU	08	X	Overmold Cable	10m	PU




- 8 pole
- Choice of cable lengths
- TPU flex body overmold
- PU jacket cable



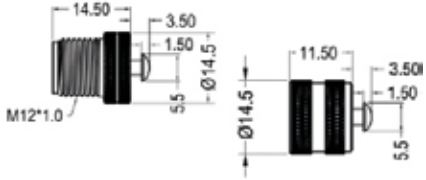
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Part Number	Poles	Code	Termination	Lead Length	Cable Material
PXPTPU12FBF08XCL010PU	08	X	Overmold Cable	1m	PU
PXPTPU12FBF08XCL020PU	08	X	Overmold Cable	2m	PU
PXPTPU12FBF08XCL030PU	08	X	Overmold Cable	3m	PU
PXPTPU12FBF08XCL050PU	08	X	Overmold Cable	5m	PU
PXPTPU12FBF08XCL100PU	08	X	Overmold Cable	10m	PU

PA66 M12 Sealing Cap




- Sealing caps to maintain IP rating
- Male & Female versions



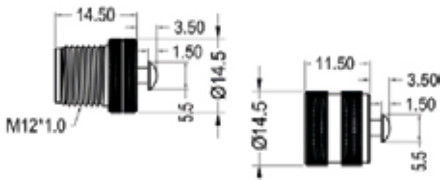
PXPPAM12

Part Number	Series	Type	Material
PXPPAM12CAM	M12	Male	PA66
PXPPAM12CAF	M12	Female	PA66

Brass - Nickel Plating M12 Sealing Cap



- Sealing caps to maintain IP rating
- Male & Female versions



PXMBNI12

Part Number	Series	Type	Material
PXMBNI12CAM	M12	Male	Brass - Nickel Plating
PXMBNI12CAF	M12	Female	Brass - Nickel Plating

Buccaneer  
**M12 X Coding Series**

Specifications



**Electrical**

No. Poles:	8
Current Rating:	0.5A
Voltage Rating (ac/dc) :	48V
Contact Resistance:	<5mΩ
Insulation Resistance:	>100MΩ
Operating Temp Range:	-25°C to 85°C

**Mechanical:**

Locking Mechanism:	Screw coupling
Sealing:	IP67
Contact Accomodation:	8 Pole
Cable:	26AWG x 4P + AEB 6.2mm Dia
Terminations:	8
Mechanical Operation:	500 mating cycles
Largest diameter over coupling ring:	20.0mm

**Materials:**

**Panel Mount:**

**Cable Connectors:**

**Flex & Inline Connectors:**

Body:	Nickel Plated Brass	TPU	Nickel Plated Brass
Coupling Nut:	Nickel Plated Brass	Nickel Plated Brass	Nickel Plated Brass
Colour:	Grey	Black	Grey
Pin Contacts:	Brass, Gold plating	Brass, Gold plating	Brass, Gold plating
Socket Contacts:	Phosphor Bronze, Gold plating	Phosphor Bronze, Gold plating	Phosphor Bronze, Gold plating
O Rings & Gaskets:	Viton	Viton	Viton
RoHS:	Compliant	Compliant	Compliant

<b>MX</b>	<b>XXX</b>	<b>XX</b>	<b>XX</b>	<b>X</b>	<b>XX</b>	<b>X</b>	<b>XX</b>
<b>Series</b>	<b>Material</b>	<b>Series Size</b>	<b>Body Style</b>	<b>Orientation</b>	<b>NO. Contacts</b>	<b>Code</b>	<b>Termination</b>
PXM	BNI = Brass Nickel	12	FB = Flex Body	M	08	X	PC = PCB
PXP	TPU = overmold for PUR		FI = Flex Inline Body	F			CL = Cable
			RP = Rear Panel Mounting				SC = Solder
			RA = Right Angle				RJ = RJ45
							FB = FLEX BODY
							FI = FLEX INLINE BODY

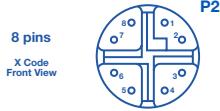
<b>XXX</b>	<b>XXX</b>	<b>XXX</b>
<b>Mounting / Gland Nut Thread</b>	<b>Lead Length</b>	<b>Cable Material</b>
PG9	010	PU
M16	020	
	030	
	050	
	100	

Contact Diagrams:

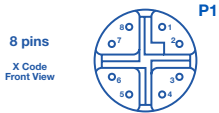
PXMBNI12RPM08XPCM16  
PXMBNI12FIM08XSCPG9



PXMBNI12RPF08XPCM16  
PXMBNI12FBF08XSCPG9



PXMBNI12RAF08XRJM16  
PXMBNI12RPM08XRJM16



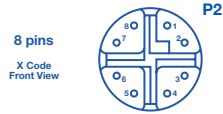
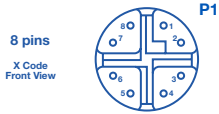
P1	PAIR	WIRE COLOUR	P2
1	X	WHITE / ORANGE	1
2			2
3	X	WHITE / GREEN	3
4			4
5	X	WHITE / BLUE	5
6			6
7	X	WHITE / BROWN	7
8			8

PXPTPU12FIM08XFI010PU



P1	PAIR	WIRE COLOUR	P2
1	X	WHITE / ORANGE	1
2			2
3	X	WHITE / GREEN	3
4			4
5	X	WHITE / BLUE	5
6			6
7	X	WHITE / BROWN	7
8			8
SHELL	—		SHELL

PXPTPU12FBF08XFB010PU

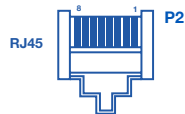


P1	PAIR	WIRE COLOUR	P2
1	X	WHITE / ORANGE	1
2			2
3	X	WHITE / GREEN	3
4			4
5	X	WHITE / BLUE	5
6			6
7	X	WHITE / BROWN	7
8			8
SHELL	—	BRAID	SHELL

PXPTPU12FIM08XFB010PU

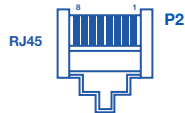
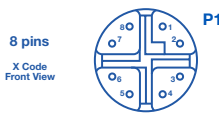


PXPTPU12FIM08XRJ010PU



P1	PAIR	WIRE COLOUR	P2
1	X	WHITE / ORANGE	OPEN
2			
3	X	WHITE / GREEN	
4			
5	X	WHITE / BLUE	
6			
7	X	WHITE / BROWN	
8			
SHELL	—	BRAID	

PXPTPU12FBF08XRJ010PU



PXPTPU12FIM08XCL010PU



PXPTPU12FBF08XCL010PU

