Typically used for providing high performance, reliable and robust connections in commercial and industrial automation applications, these IP67 rated signal and power connectors offer a high degree of protection against environmental factors such as water, dirt and moisture.

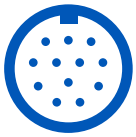
Bulgin's range of M23 Connectors includes field installable male and female connectors as well as front panel mount options from 12- to 19-Contacts in straight and right angled versions.



Key features:

- A-Coded
- Male and female variants, 12 or 19 Contacts
- Straight and angled configurations
- Robust metal housing
- IP67 protection rating (when mated)
- Voltages up to 200 V and currents up to 8 A

M23 Series coding options:
(Full Contact Diagrams Page 203)



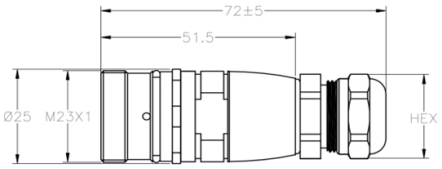
A-Coding

M23 Inline Body



PXMBNI23FIM

- Available in 12 & 19 Contacts
- Solder termination
- Metal Inline Body
- Mates with panel mount connectors



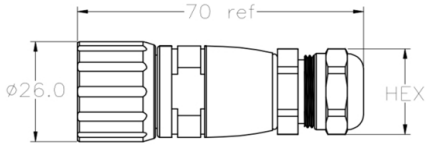
Part Number	Contacts	Code	Termination
PXMBNI23FIM12ASC	12	A	Screw Terminal
PXMBNI23FIM19ASC	19	A	Screw Terminal

M23 Flex Body Female



PXMBNI23FBF

- Available in 12 & 19 Contacts
- Solder termination
- Metal Flex Body
- Mates with panel mount connectors



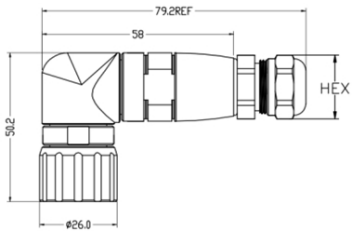
Part Number	Contacts	Code	Termination
PXMBNI23FBF12ASC	12	A	Screw Terminal
PXMBNI23FBF19ASC	19	A	Screw Terminal

M23 Right Angled Female



PXMBNI23RAF

- Available in 12 & 19 Contacts
- Solder termination
- Metal Right Angle Flex Body
- Mates with panel mount connectors



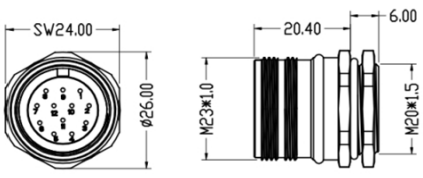
Part Number	Contacts	Code	Termination
PXMBNI23RAF12ASC	12	A	Screw Terminal
PXMBNI23RAF19ASC	19	A	Screw Terminal

M23 Front Panel Mounting Male



PXMBNI23FPM

- Available in 12 & 19 Contacts
- Solder termination
- Mates with Flex Body connectors



Part Number	Contacts	Code	Termination
PXMBNI23FPM12ASC	12	A	Screw Terminal
PXMBNI23FPM19ASC	19	A	Screw Terminal

Electrical

No. Contacts:	12	19
Current Rating:	8A	8A
Voltage Rating (ac/dc) :	200V	150V
Contact Resistance:		<3mΩ
Insulation Resistance:		>100^{3}MΩ
AC Breakdown Voltage:		
12 Contacts		1.5KV
19 Contacts		1.5KV
Operating Temp Range:		-25°C to 80°C

Mechanical:

Locking Mechanism:	Screw coupling
Sealing:	IP67
Contact Accommodation:	
12 Contacts	18 AWG
19 Contacts	17 AWG
Cable Acceptance:	6.0 - 8.0mm Dia
Contacts:	Terminations:
	Solder
Mechanical Operation:	500 mating cycles
Diameter over coupling ring:	26.0mm

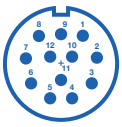
	Panel Mount:	Flex & Inline Connectors:
Body Material:	Nickel Plated Brass	Nickel Plated Brass
Coupling Nut Material:	Nickel Plated Brass	Nickel Plated Brass
Colour:	Grey	Grey
Plug Contacts Material:	Brass, Gold plating	Brass, Gold plating
Socket Contacts Material:	Phosphor Bronze, Gold plating	Phosphor Bronze, Gold plating
O Rings & Gaskets Materials:	Viton	Viton
RoHS:	Compliant	Compliant

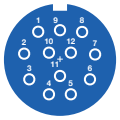
XXX	XXX	XX	XX	X	XX	X	XX
Series	**Material**	**Series Size**	**Body Style**	**Orientation**	**Contacts**	**Code**	**Termination**
PXM	BNI = Brass Nickel	23	FB = Flex Body	M = Male	12	A	SC = Solder
PXP			FI = Inline Body	F = Female	19		
			FP = Front Panel Mounting				
			RA = Right Angle				

Contact Diagrams (Front View 'A' Code):

XXXXXXXXXXM12XXX
XXXXXXXXXXF12XXX

12 pole

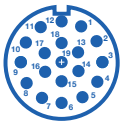


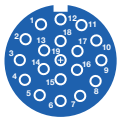


Contact Position	X	Y
1	3.60	4.30
2	5.55	1.00
3	4.90	-2.80
4	1.90	-5.30
5	-1.90	-5.30
6	-4.90	-2.80
7	-5.55	1.00
8	-3.60	4.30
9	0.00	4.50
10	1.90	1.00
11	0.00	-2.20
12	-1.90	1.00

XXXXXXXXXXM19XXX
XXXXXXXXXXF19XXX

19 pole





Contact Position	X	Y
1	3.00	5.20
2	5.20	3.00
3	6.00	5.00
4	5.20	-3.00
5	3.00	-5.20
6	0.00	-6.00
7	-3.00	5.20
8	-5.20	-3.00
9	-6.00	0.00
10	-5.20	3.00
11	-3.00	5.20
12	0.00	6.00
13	2.75	1.60
14	2.75	-1.60
15	0.00	-3.00
16	-2.75	-1.60
17	-2.75	1.60
18	0.00	3.00
19	0.00	0.00