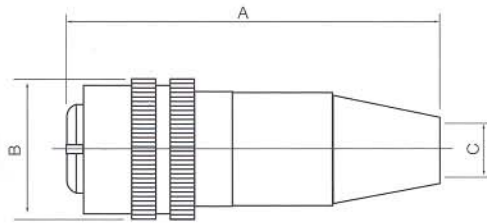


ABXS Miniature Connector

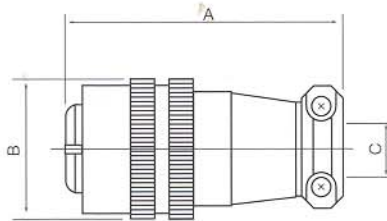
Free Connector (Socket Contacts Only)

Rubber Boot Accessory



	A	B	C
ABXS12	49	ø17	ø6.5
ABXS16	-	-	-

Cable Clamp Accessory



	A	B	C
ABXS12	34	ø17	ø6.5
ABXS16	39.5	ø22	ø8.5



Operating Environment

Operating

Temperature: -55°C to +85°C

Relative

Humidity: up to 93% at a temperature of 40°C

Vibration:

acceleration up to 100m/s² with a frequency between 50 and 500 MHz

Shock:

acceleration up to 50m/s² with frequency between 40 and 800 times per min.

Centrifugal:

acceleration up to 250m/s² at a temperature of 40°C



With its ingenious ball-bearing coupling mechanism, the ABXS Miniature Connector is easy to use and provides a reliable interconnect for signal and power in audio, control and instrumentation applications. The range has two shell sizes housing 3 to 9 gold plated contacts in a range of aesthetically pleasing long life shell finishes.

The ball-bearing mechanism provides easy connection by pushing on the back accessory and easy disconnection by pulling on the coupling nut. The connector cannot be disconnected by pulling on the cable or backshell using normal force.

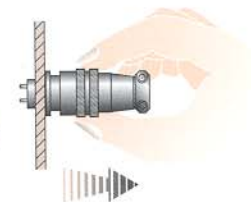
The shells are made from copper alloy with a choice of finishes in bright nickel or black epoxy.

Instructions for use



Connecting:

Hold the accessory of the free connector, align with the key way of the fixed connector and push until an audible click is heard

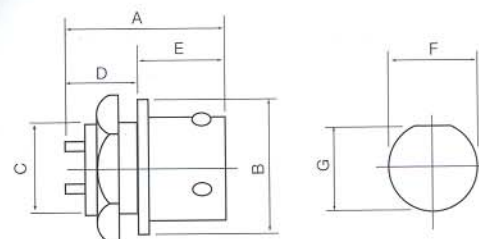


Disconnecting:

Pull on the coupling nut of free connector.

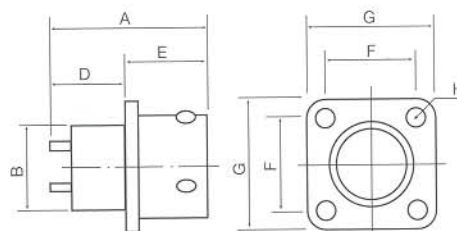
Fixed connector (Pin contacts only)

Circular flange with locking nut



	A	B	C	D	E	F	G
ABXS12	22	ø18	M12x0.75	10.5	11.5	12	11.5
ABXS16	22	ø22	M16x0.75	9.5	12.5	16.5	15.5

Square flange fixed connector



Main Technical Features

Rated

Current: 3A

Rated Voltage: 250V

Contact

Resistance: not greater than 0.01Ω for each contact pair

Insulation

Resistance: not less than 1000MΩ under normal conditions

Withstand

Voltage: (50~60Hz r.m.s.) 1500V for 3 or 4 pin contact pair 1000V for 5, 7 or 9

