General Description

The CC12-XXP-FX-PBSX is an M12 circular plug connector which is available with 2 to 12 pins and a shielding pin in an A and D coding. The connector features straight pins to the rear for mounting directly to a PCB. The panel lock thread for the connector can also be in a PG9 or M16 sizing. The M12 connectors are designed for use in industrial applications and feature a small and robust design which has a waterproof rating of IP67, which protects your equipment from entry of water or dust into your system.

Specification	
Coding	A and D
Contact	2 to 12 Pins
Current Rating	4A AC/DC (2 to 5 Pins) 2A AC/DC (6 to 8 Pins 1.5A AC/DC (9 to 12 pins)
Voltage Rating	250V AC/DC (2 to 4 Pins) 60V AC/DC (5 Pins) 30V AC/DC (6 to 12Pins)
Contact Resistance	≤5mΩ
Insulation Resistance	≥100MΩ
Withstanding Voltage	500V AC/Minute
Operating Temperature	-40°C to +100°C
Waterproof Rating	IP67
Materials	
Insulator	UL94V-0 Black
Connector Contacts	Brass Gold Plated
Seal Ring	Red Silicone

Pin Assignments Front View

A Coding

2 Pins, 3 Pins, 4 Pins, 5 Pins
6 Pins, 7 Pins, 8 Pins, 9 Pins
10 Pins, 11 Pins, 12 Pins

D Coding

2 Pins, 3 Pins, 4 Pins, 5 Pins

HEX 18
19.9 REF
A — A

26.5
20.5
9.0   9.0
3.0

With Liquid Glue

PG9 or M16
M12 X 1

Section A-A
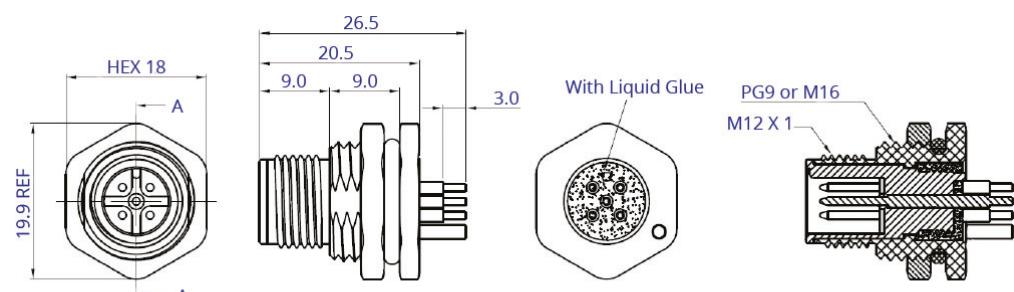
CC12-XXP-FX-PBSX
- Panel Lock Thread: PG9 or M16
- With Shielding
- Panel Mount PCB Dip
- Front Fastened Coding: A or D
- Plug
- No. of Contacts
- M12

Drawing Issue 1.0

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