

Compact Quick Connect I/O Plug and Sockets

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**RoHS
Compliant**

Description

These connectors feature a high-precision, key-way pluggable design with integrated self-locking, push-lock and quick release mechanism. Supplied in a variety of PBT plastic and Zinc alloy metal housings, they are IP68-rated and UV resistant. Supporting power or signal transmission, These series is ideal for demanding environments and well suited for use in communications, renewable energy, medical, robotics, automation, aviation, industrial appliances, LED displays and many more applications.

Features

- Supplied as mating pairs for value and convenience
- IP68 1m / 2 hr when mated (IP65 with cap)
- PBT Plastic / Zinc Alloy & PBT Plastic / Zinc Alloy
- PBT material is UV resistant and flame retardant
- Cable, panel and flange mount types
- Dust cap included with panel mount types
- Quick connect, push fit, press to release - anti-vibration
- Maximum housing diameter 23.2 mm
- Gold plated contacts

Specifications & Materials

	MP-LP12	MP-LP16	MP-LP16
Unit of Supply	Male & Female pair (Panel / Flange & silicon dust cap)		
Number of Pins	2 - 8	-	2 - 9 (note: 6-pin not available)
Connection Type	Screw (2 / 3 pin) or Solder	RJ-45 (shielded) / USB-C	Screw (2 - 5 pin only) or Solder (all configurations)
IP Rating	IP68 to 1 m / 2 hr (IP65 panel with dust cap)		
Voltage	125V (2 to 6 pin) / 100V (7 to 8 pin)		400V (2 to 4 pin) / 250V (5 to 9 pin)
Current Rating	5A (2 to 6 pin) / 3A (7 to 8 pin)	10A (2 to 4 pin) / 5A (5 to 9 pin)	10A (2 to 4 pin) / 5A (5 to 9 pin)
Wire Size	0.5mm ² (2 to 6 pin) / 0.35 mm ² (7 to 8 pin)	-	1.5 mm ² (2 to 4 pin) / 0.5 mm ² (5 to 9 pin)
Mating Cycles	>1900		
Material	PBT plastic (flame & UV retardant) / Zinc alloy		
Panel Cutout	12mm	16.5 mm	18.5mm
Cable Diameter	5 to 7mm		4 to 9mm
Temperature Rating	-40°C to +85°C		

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Material Types & Configurations

Cable to Cable



MP-LP12-03P-SO

Cable to Flange



MP-LP12-03PF-SO-ZP

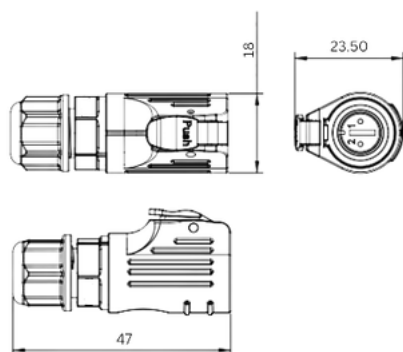
Cable to Panel



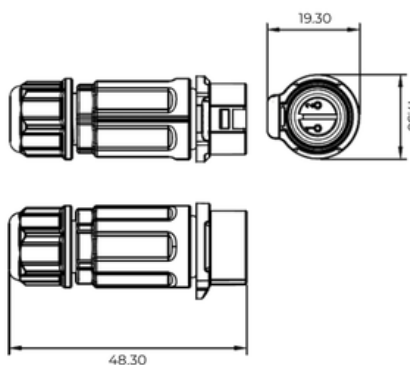
MP-LP12-04PP-SO-ZZ

Diagram

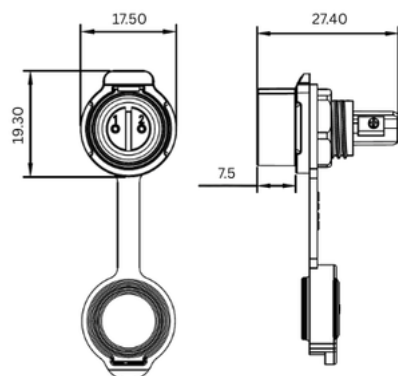
Cable Male



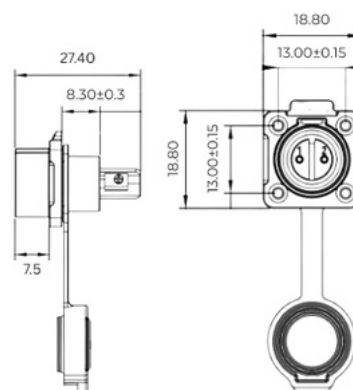
Cable Female



Panel Mount



Panel Mount Flange



Dimensions : Millimetres

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Material Types & Configurations

Cable to Cable



MP-LP12-03P-SC

Cable to Flange



MP-LP16-RJ45F-ZZ

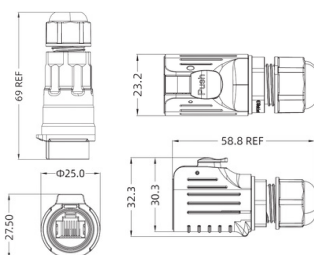
Cable to Panel



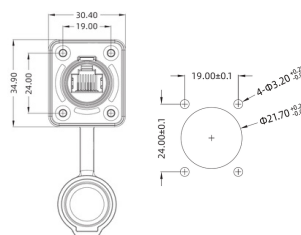
MP-LP16-USBCP

Diagram

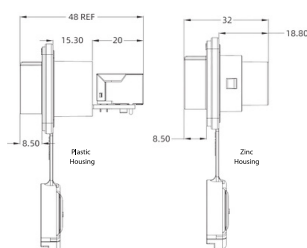
Cable Mount RJ-45



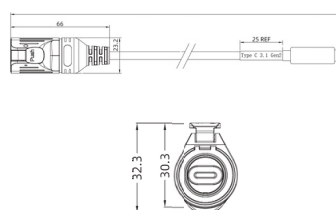
Flange Mount RJ-45 (Front)



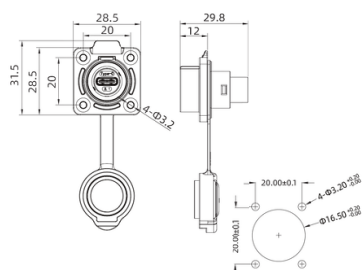
Flange Mount RJ-45 (Profile)



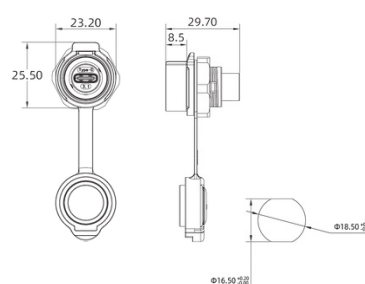
Cable Male USB-C



Flange Mount Female USB-C



Panel Mount Female USB-C



Dimensions : Millimetres

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Material Types & Configurations

Cable to Cable



MP-LP16-03P-SC

Cable to Flange



MP-LP16-08PF-SO-ZP

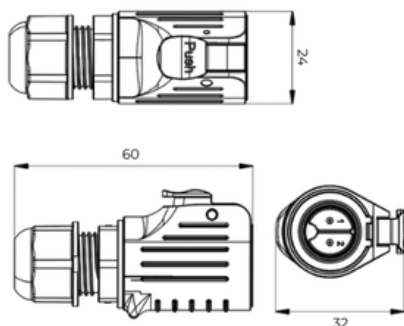
Cable to Panel



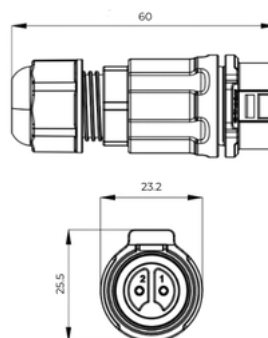
MP-LP16-02PP-SC-ZZ

Diagram

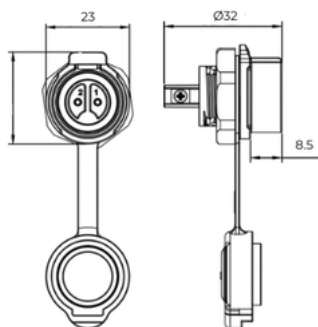
Cable to Cable (male)



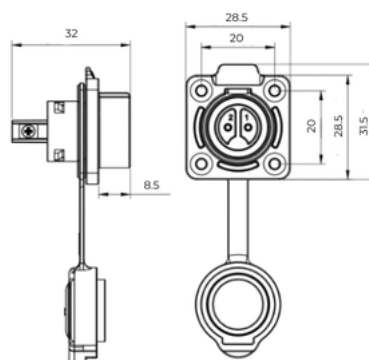
Cable to Cable (female)



Panel Mount (female)



Panel Mount Flange (female)

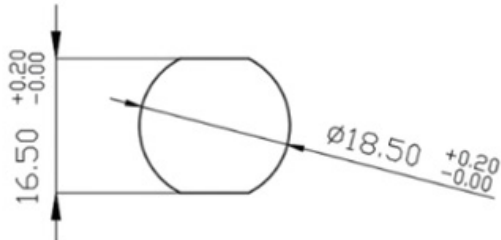


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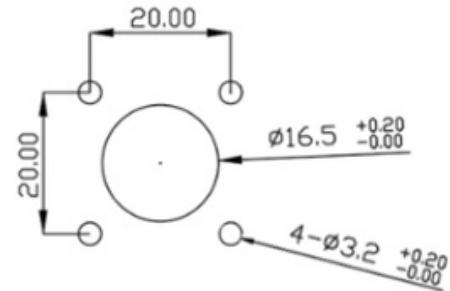
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Mounting Specifications

Mounting Hole Dimensions



Flange Hole Dimensions



Part Number Table

Description	Part Number
Circular Connector, Cable Mount, Screw Type, 2Pins	MP-LP12-02PC-SC-PL-0
Circular Connector, Panel Mount , Screw Type, 2 Pins	MP-LP12-02PP-SC-PL-0
Circular Connector, Cable Mount, Screw Type, 3Pins	MP-LP12-03PC-SC-PL-0
Circular Connector, Panel Mount, Screw Type, 3Pins	MP-LP12-03PP-SC-PL-0
Circular Connector, Cable Mount, Screw Type, 2Pins	MP-LP16-02PC-SC-PL-0
Circular Connector, Panel Mount, Screw Type, 2Pins	MP-LP16-02PP-SC-PL-0
Circular Connector, Cable Mount , Screw Type, 3 Pins	MP-LP16-03PC-SC-PL-0
Circular Connector, Panel Mount, Screw Type, 3Pins	MP-LP16-03PP-SC-PL-0
Circular Connector, Cable Mount, Screw Type, 4Pins	MP-LP16-04PC-SC-PL-0
Circular Connector, Panel Mount, Screw Type, 4Pins	MP- LP16-04PP-SC-PL-0
Modular Connector, RJ45, Flange Mount, PBT and Zinc Alloy	MP-LP16-RJ45F-ZP
Modular Connector, RJ45, Flange Mount, PBT	MP-LP16-RJ45F-PL
USB Connector, USBC, Panel Mount, PBT	MP-LP16-USBCP-PL
USB Connector, USBC, Panel Mount, PBT and Zinc Alloy	MP-LP16-USBCP-ZP

Dimensions : Millimetres

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