

LP16 I/O Series

IP68 Compact Quick Connect I/O Plug & Sockets

The LP16 I/O connectors (part of the LP series) 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 Rated IP68 waterproof along with UV-resistant properties. Supporting RJ-45 and USB-C connectivity they are ideal for demanding environments and well suited for use in aviation, communications, renewable energy, medical, robotics, automation, industrial appliances, LED displays and many more applications. LP16 is also available in multipin configurations for power and signal with 2 to 9 pins. The wider product family includes additional sizes LP12, LP20, LP24 and LP28 with higher electrical ratings, alongside further I/O options including fibre optic, HDMI and USB-A.



- Shielded RJ-45 jacks and USB-C 60W PD / 5 Gb/s data
- Supplied as mating pairs for value and convenience
- IP68 1m / 2hr when mated (IP65 with supplied cap)
- PBT Plastic / Zinc Alloy & PBT Plastic / Zinc Alloy
- PBT material is UV resistant and flame retardant
- USB-C cable end prewired with 1m cable
- USB-C panel mount coupler option
- Cable, panel and flange mount types
- Quick connect, push fit, press to release - anti-vibration
- 16.5mm max. panel cut out with max. 32mm housing diameter
- RJ-45 housing only, plugs not included
- Gold plated contacts
- UL, ENEC, CE approvals

Specifications & Materials:

Unit of Supply	male & female pair (Panel / Flange & silicon dust cap)
Connection Type	RJ-45 (shielded) / USB-C
IP Rating	IP68 to 1 m / 2 hr (IP65 panel with dust cap)
USB standard	USB-C 5Gb/s 60W (3A/20V)
Current Rating	10A (2 to 4 pin) / 5A (5 to 9 pin)
Mating Cycles	>1900
Material	PBT plastic (flame & UV retardant) / Zinc alloy.
Panel Cutout	16.5 mm
Cable Diameter	5 - 7 mm
Temperature Rating	-40°C to +85°C
RoHS Status	Compliant
Approvals	UL, ENEC, CE

LP16 I/O series

IP68 Compact Quick Connect I/O Plug & Sockets

Material Types & Configurations

Cable to Cable



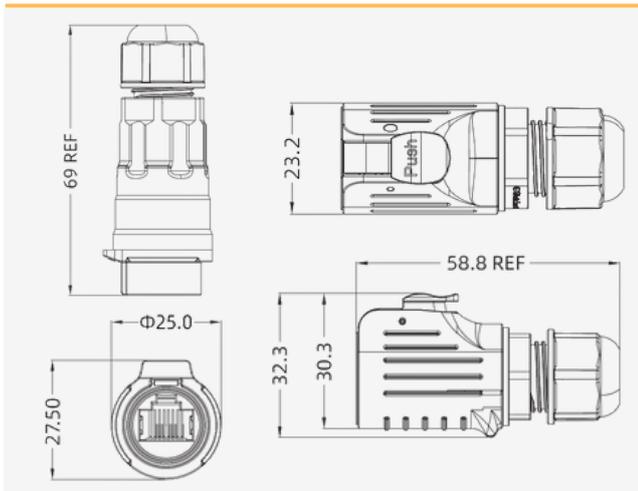
Cable to Flange



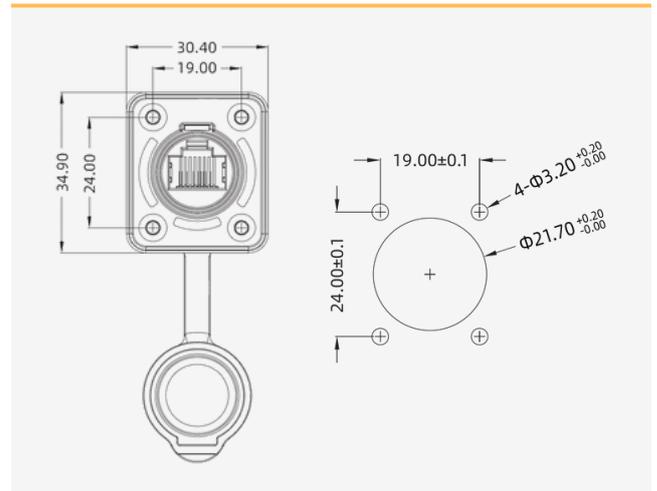
Cable to Panel



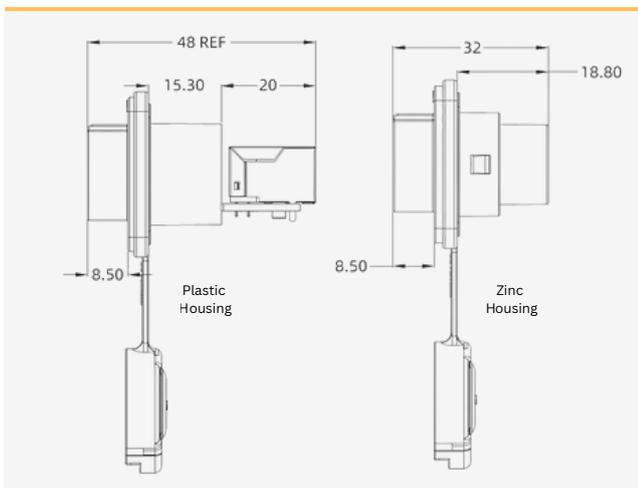
Cable Mount RJ-45



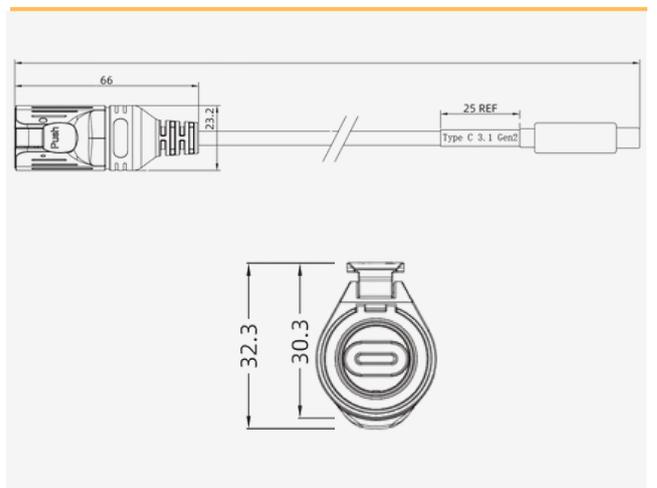
Flange Mount RJ-45 (Front)



Flange Mount RJ-45 (Profile)



Cable Male USB-C

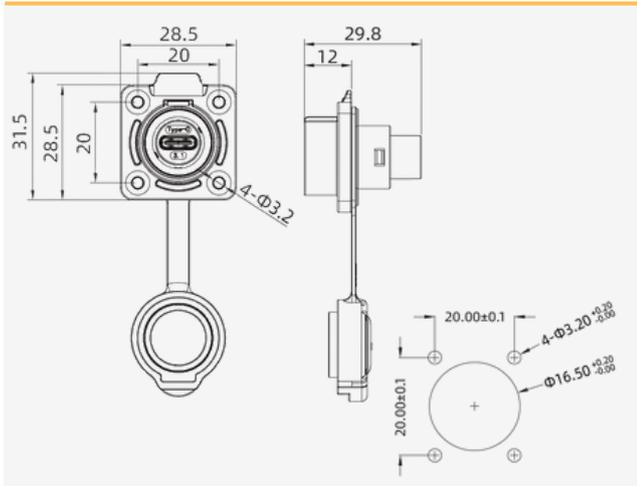


LP16 I/O series

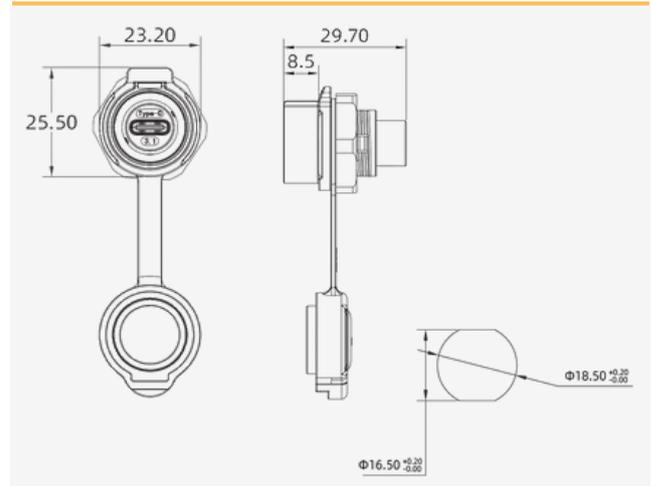
IP68 Compact Quick Connect I/O Plug & Sockets

Material Types & Configurations cont.

Flange Mount Female USB-C



Panel Mount Female USB-C



Part Number Configurator

Series: LP16

Example: LP16 RJ45 F ZZ

Type: RJ45
USBC

Mounting Type: C - cable
F - flange
P - panel

Material: PL - PBT
ZP - PBT & Zinc Alloy
ZZ - Zinc Alloy

LP16-RJ45F-ZZ - LP16 RJ-45 flange mount zinc alloy