POWERFIT SINGLE POLE CONNECTOR

800A

LINE DRAIN

Features

* Copper contact with silver plating ensures excellent conductivity
* Ergonomic rubber grip enhances handling comfort and safety
* Durable thermoplastic body offers superior impact resistance and electrical insulation
* O-ring provides an excellent protection against water and dust ingress after mating
* M40*1.5 cable gland with rubber bushing for secure IP67-rated sealing

Item Number: PFLD-2O-C300-400-M40/M50
Phase: L2
Color: Orange
Type: Crimp (for 400mmsq cable)
Cable Gland (Standard)：M40/CG-M4015-32
Cable Gland (Option): M40/CG-M4015-X(39)

Type Approved
Safety
Regular Production
Surveillance

TÜVRheinland
CERTIFIED

www.tuv.com
ID 1111304988

Material Information

Connector Body: Non-conductive high impact-resistant thermoplastic
Contact Material: Copper (silver-plated)
O-Ring: Silicone
Cable Gland: Nylon
Bushing：Rubber and Silicone



Electrical Information

Amperage Rating: 800A Maximum
Voltage Rating: 1000V AC/DC Maximum
Test Voltage: 4500V AC
Rated Short-Time Withstand Current (Icw): 16 kA /1 s (RMS)
Rated Short-Circuit Peak Current (Ipk): 35.5 kA (Peak)
Insulation Resistance: > 5000M Ohms at 500V AC
Contact Resistance: 0.1m Ohms

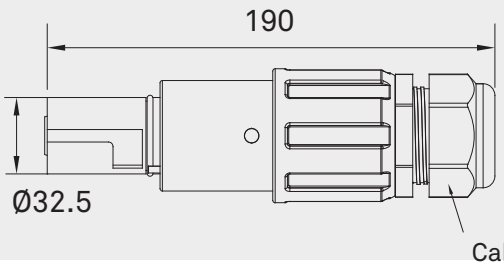
Mechanical Information

Contact Type: Crimp
Connection Type: Push-and-twist
Cable Gland Size: M40 x 1.5 with sealing bushing
Inner Diameter(Standard)　14-22 mm and 23-33mm
Inner Diameter(Option)　31-39 mm
Mating Cycle: 500

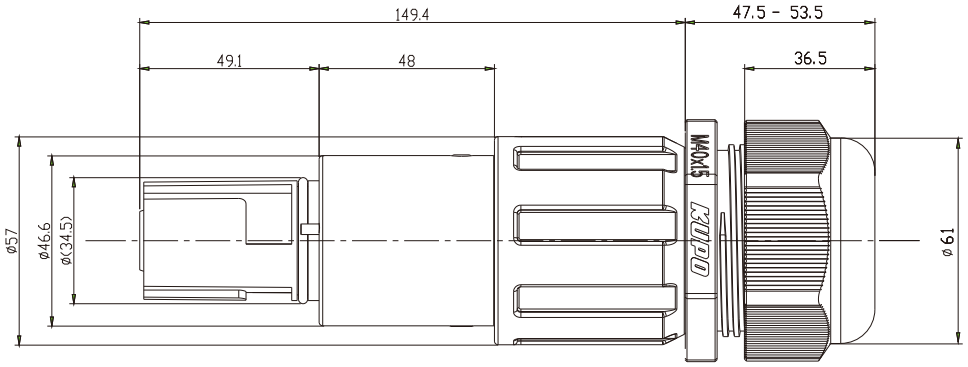
Environmental Information

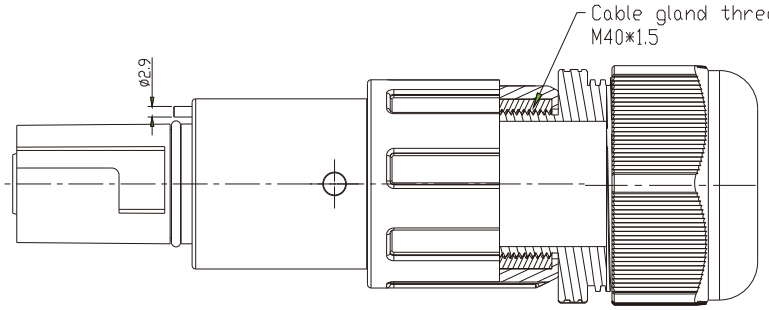
Ingress Protection: IP67 rating while mated
Flammability: UL94-V0 (body material rating)
Working Temperature: -25 to 125 °C
Certifications: TÜV, CB, UKCA, CE, RoHS and REACH compliant

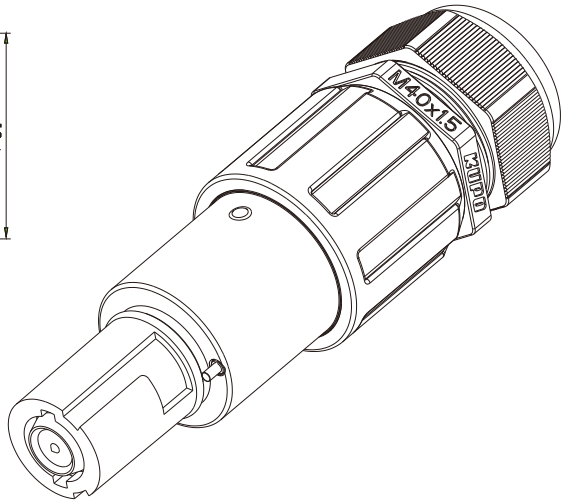
Dimensions

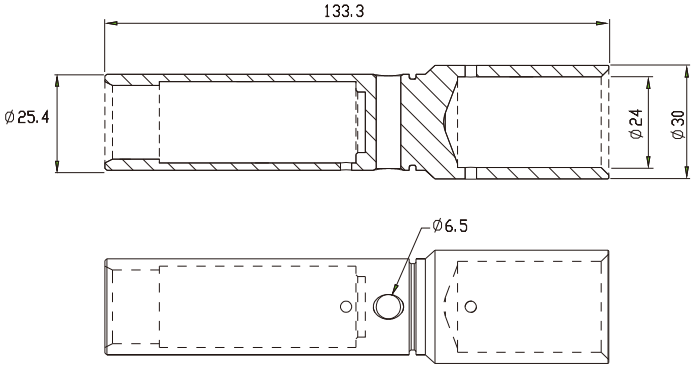


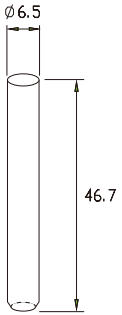
unit : mm



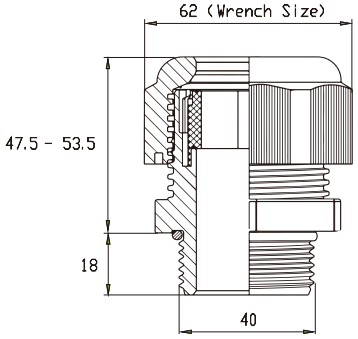








PF-PS-F



CG-M4015-X (39)

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KUPO Powerfit connectors are designed to be compatible and intermateable with other ITT Powerlock style connectors such as P3 Powersafe and Ten47 Powerline. There is no current unified standard for this connector.

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN MILLIMETERS

DO NOT SCALE

ORG. SCALE	CREATE DATE.
NTS	10/Aug/2026

MATERIAL

HOUSING: Non-conductive, high-impact-resistant thermoplastic, UL 94 V-0
CONTACT: Silver-plated copper

TITLE

800A POWERFIT LINE DRAIN CONNECTOR

DWG. NO.	ISSUE NO.
KPFLD800	1