POWERFIT SINGLE POLE CONNECTOR

500A

LINE SOURCE

Features
* Innovative key-release pin allows for fast and convenient disconnection
* Brass 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
* M40*1.5 cable gland with rubber bushing for secure IP67-rated sealing

Item Number: PFLS-2O-S150M40A
Phase: Line 2
Color: Orange
Type: Double Set Screws (for 150mmsq cable)
Cable Gland (Standard): M40/CG-M4015-32

Type Approved
Safety
Regular Production
Surveillance
TÜVRheinland CERTIFIED
www.tuv.com
ID 1111303479

Material Information
Connector Body: Non-conductive high impact-resistant thermoplastic
Contact Material: Brass (silver-plated)
Cable Gland & Bushing: Nylon, Rubber & Silicone

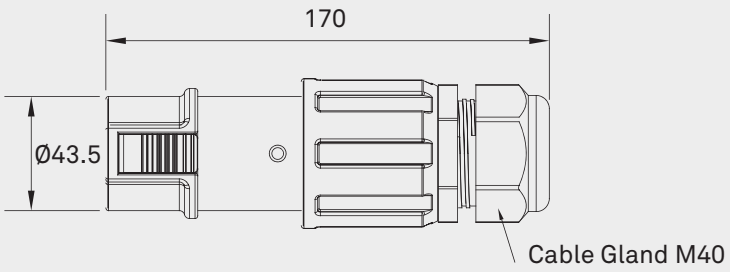


Electrical Information
Amperage Rating: 500A Maximum
Voltage Rating: 1000V AC/DC Maximum
Test Voltage: 4500V AC
Short Circuit Rating: Up to 35.5kA
Insulation Resistance: > 5000M Ohms at 500V AC
Contact Resistance: 0.1m Ohms

Mechanical Information
Contact Type: Set screw
Set Screw Torque: 10.5 N/meter (minimum required)
Connection Type: Push-and-twist with key release mechanism
Cable Gland Size: M40 x 1.5 with sealing bushing (Inner Diameter: 14-22 mm and 23-33 mm)
Mating Cycle: 500

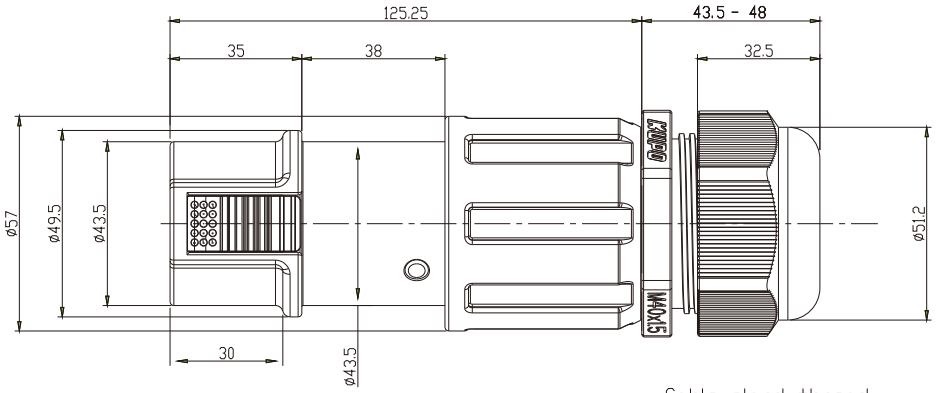
Environmental Information
Ingress Protection: IP67 rating while mated
Flammability: UL94-V0 (body material rating)
Working Temperature: -25 to 125 °C
Certifications: TÜV, CE, RoHS and REACH compliant

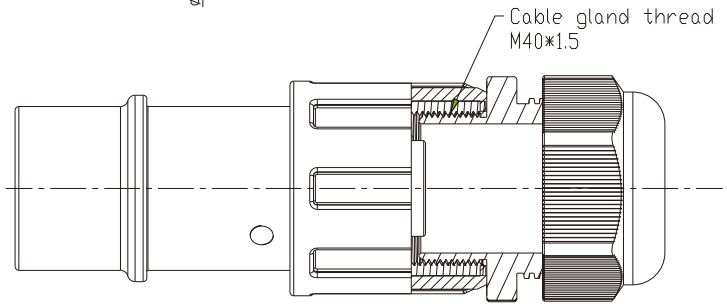
Dimensions



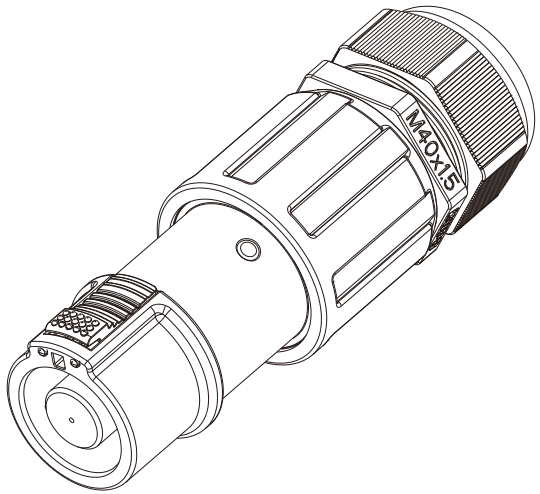
unit : mm

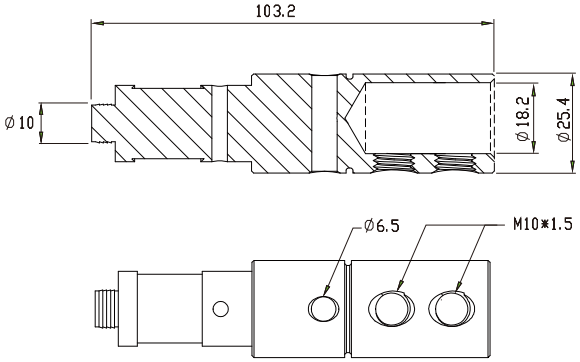
• Specifications subject to change without notice.
• www.kupopower.com





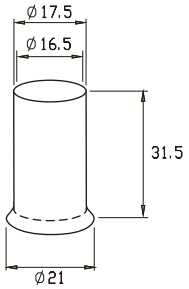
A-A



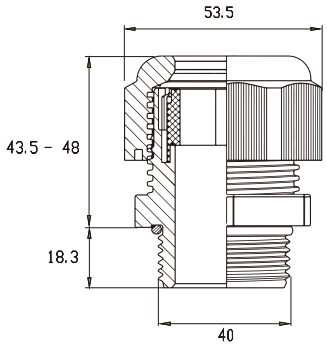




PF-PS-M



PF-R120



CG-M4015-32

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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.

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 brass

TITLE

500A POWERFIT LINE SOURCE CONNECTOR

DWG. NO.	ISSUE NO.
KPFLS500	1