POWERFIT SINGLE POLE CONNECTOR

500A

PANEL SOURCE

Features

* Innovative key-release pin allows for fast and convenient disconnection
* Brass contact with silver plating ensures excellent conductivity
* Durable thermoplastic body offers superior impact resistance and electrical insulation

Item Number: PFPS-NGY-T5
Phase: Neutral
Color: Gray
Type: Threaded post

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)
Nut & Washer: Brass



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

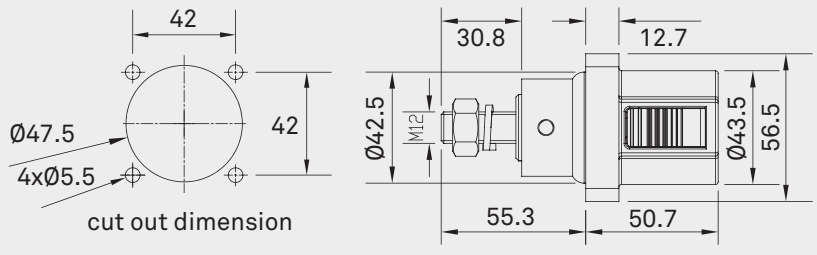
Mechanical Information

Contact Type: M12 threaded post
Nut Torque: Maximum 12-14 N/meter
Connection Type: Push-and-twist with key release mechanism
Mating Cycle: 500

Environmental Information

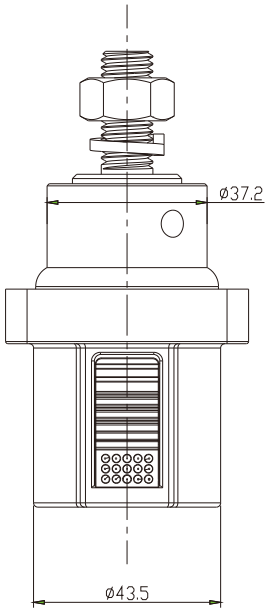
Ingress Protection: IP67 rating while mated
Flammability: UL94-V0 (body material rating)
Working Temperature: -25 to 125 °C
Certifications: TÜV, CE, RoHS and REACH compliant

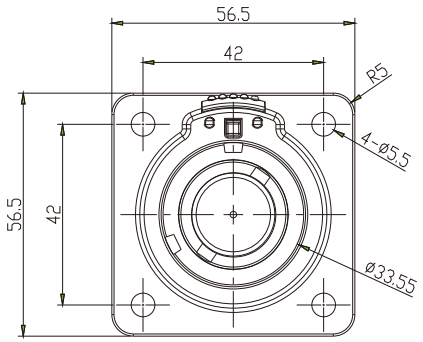
Dimensions

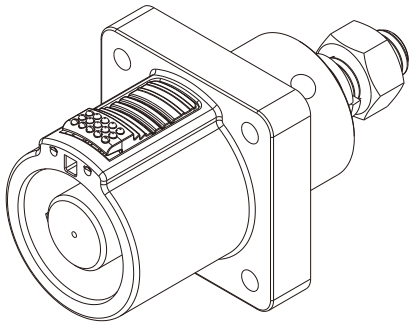


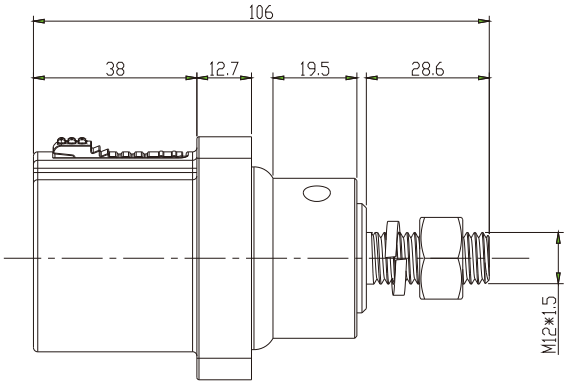
unit : mm

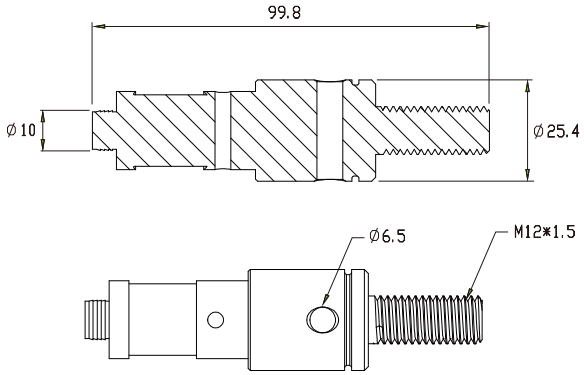
• Specifications subject to change without notice.
• www.kupopower.com











© 2026 KUPO All rights reserved.
KUPO Shanghai Co., Ltd.
Address: Building 66, No. 2050 Dingsheng Rd.,
Songjiang District, Shanghai, China
Websites: kupopower.com / kupopower.com.cn

This document is provided for reference purposes only. It is not intended for use as a construction, installation, or fabrication drawing. KUPO shall not be liable for any loss or damage arising from the use of this document for such purposes.

These files may not be reproduced, distributed, or made available to third parties without prior written permission from KUPO.

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 PANEL SOURCE CONNECTOR

DWG. NO.	ISSUE NO.
KPFPS500	1