

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-1R-T5

Phase: Line 1

Color: Red

Type: Threaded post



Type Approved
Safety
Regular Production
Surveillance

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

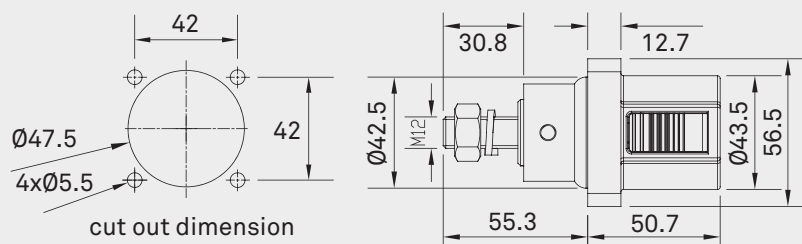
Ingress Protection: IP67 rating while mated

Flammability: UL94-V0 (body material rating)

Working Temperature: -25 to 125 Celsius Degree

Certifications: TÜV, CE, RoHS and REACH compliant

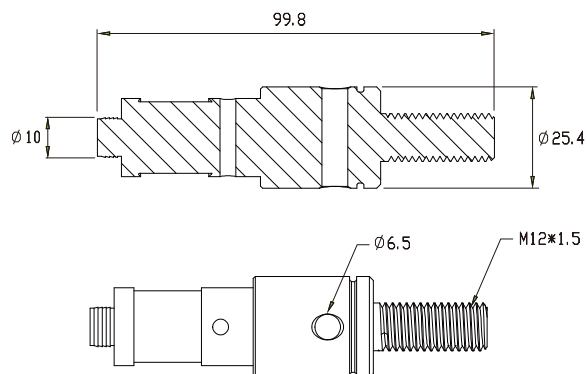
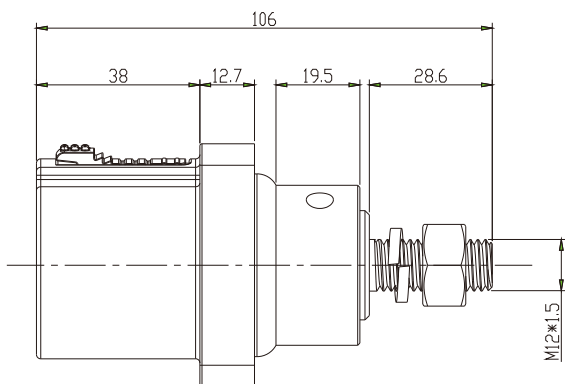
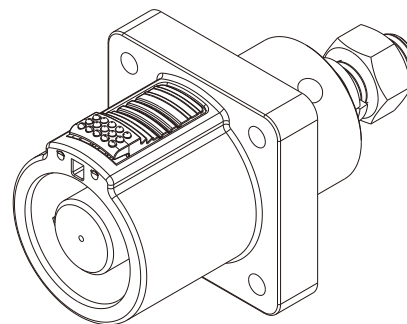
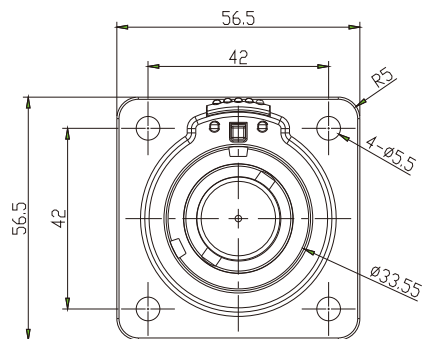
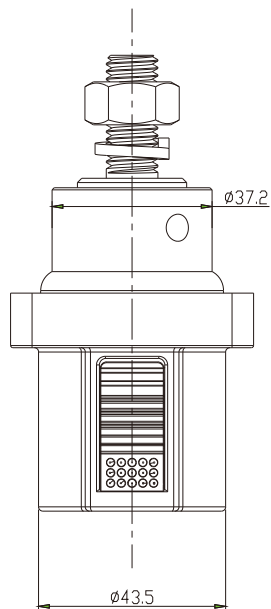
Dimensions



unit : mm

- Specifications subject to change without notice.
- www.stage.com.tw

2026 V1



KUPO®

© 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

NTS

CREATE DATE:

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.

KPFPS500

ISSUE NO.

1



CB UK CA CE

