

## 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-1BK-T5

Phase: Line 1

Color: Black

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

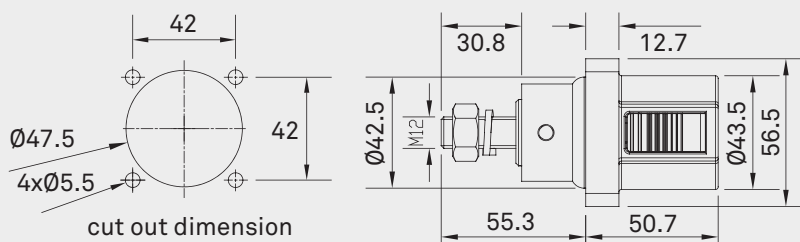
Ingress Protection: IP67 rating while mated

Flammability: UL94-V0 (body material rating)

Working Temperature: -25 to 125 Celsius Degree

Certifications: TÜV, CE, RoHS and REACH compliant

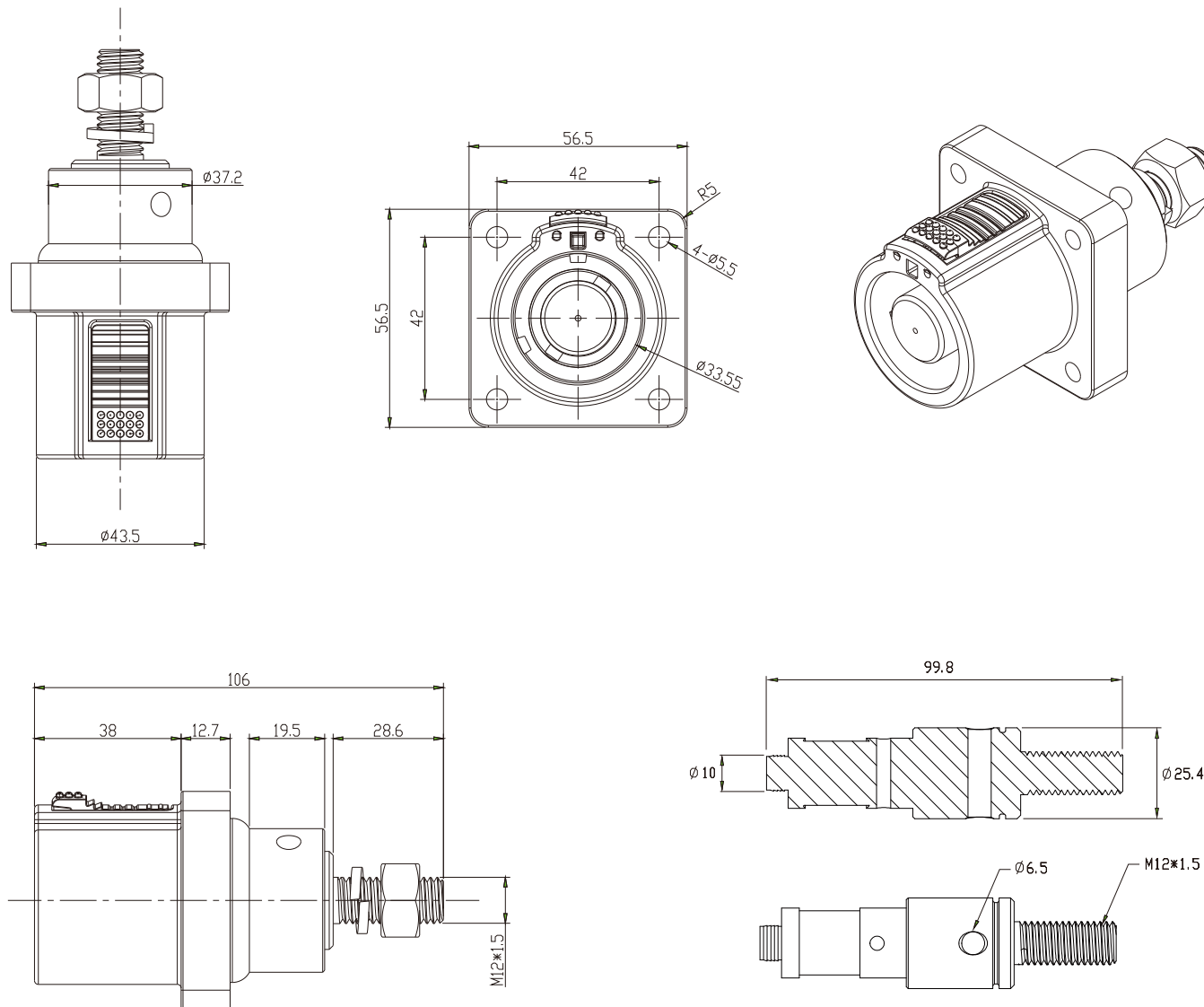
#### Dimensions



unit : mm

- Specifications subject to change without notice.
- [www.stage.com.tw](http://www.stage.com.tw)

2026 V1



# KUPO®

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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

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

