

# POWERFIT



CB

UK  
CA

CE



The POWERFIT series is made of impact-resistant, heat-resistant, flame-retardant thermoplastics and meets stringent industry standards. Its inline design, combined with an ergonomic rubber grip and cable gland, provides IP67 protection against water and dust when mated. The innovative locking mechanism and push-button release enable faster installation and disconnection, while clear phase markings ensure quick and accurate identification.

Fully compatible with leading international brands, including the ITT/Litton Veam Powerlock series, POWERFIT ensures flexibility and reliability across different systems.



Technical Specifications:

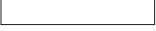
- Rated Current: 400 A (for 120 mm<sup>2</sup> single-core cable)  
500 A (for 185 mm<sup>2</sup> single-core cable)  
750 A (for 300 mm<sup>2</sup> single-core cable)  
800 A (for 400 mm<sup>2</sup> single-core cable)
- Rated Voltage: 1000 V AC/DC
- Test Voltage: 4500 V AC
- Short-Time Withstand Current: 16 kA/1 s (RMS)
- Peak Short-Circuit Current: 35.5 kA (Peak)
- Insulation Resistance: >5000 MΩ at 500 V AC
- Contact Resistance: <0.1 mΩ
- Contact Material: 400 A / 500 A silver-plated brass  
750 A / 800 A silver-plated copper
- Housing Material: Impact-resistant, flame-retardant thermoplastic
- Operating Temperature: -25 °C ~ 125 °C



- Mating Cycles: 500
- Panel Nut Tightening Torque: 10.5 N·m
- Flammability Rating: UL 94 V-0
- Protection Rating (Mated): IP67
- Termination Method: 400 A/500 A: Two set screws  
750 A/800 A: Hexagonal hydraulic crimping

INTERNATIONAL STANDARD COLOR CODING FOR GLOBAL COMPATIBILITY, CLEAR IDENTIFICATION AND SAFER CONNECTIONS

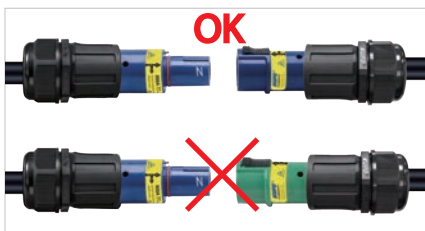
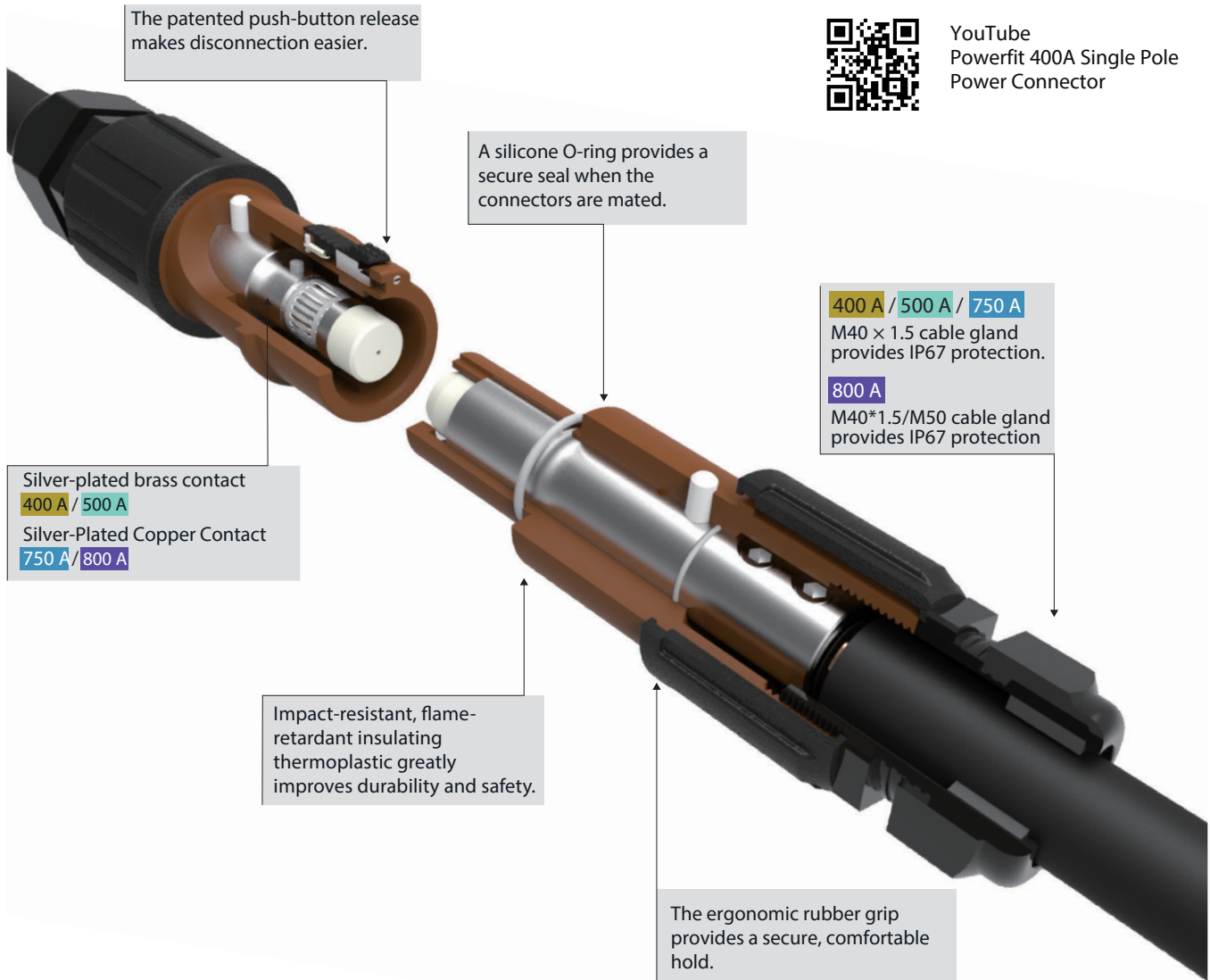
The KUPO POWERFIT series is available in European, Australian, UK, Canadian, and US versions. Color coding complies with regional electrical standards for easy identification and to help prevent incorrect connections.

|             | Ground                                                                              | Neutral                                                                             | Line 1                                                                              | Line 2                                                                                | Line 3                                                                                |
|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Europe & UK |  |  |  |  |  |
| UK (old)    |  |  |  |  |  |
| USA (LV)*   |  |  |  |  |  |
| USA (HV)*   |  |  |  |  |  |
| AUSTRALIA   |  |  |  |  |  |
| CANADA      |  |  |  |  |  |

\*(HV) High voltage: >1000 V AC or 1500 V DC      \*(LV) Low voltage: 50-1000 V AC or 120-1500 V DC



YouTube  
Powerfit 400A Single Pole  
Power Connector



Connector colors indicate circuit types. Different colors cannot be connected. Only connectors of the same color can be connected, making circuits and lines easier to identify.



The non-slip rubber grip makes connection and disconnection easier.

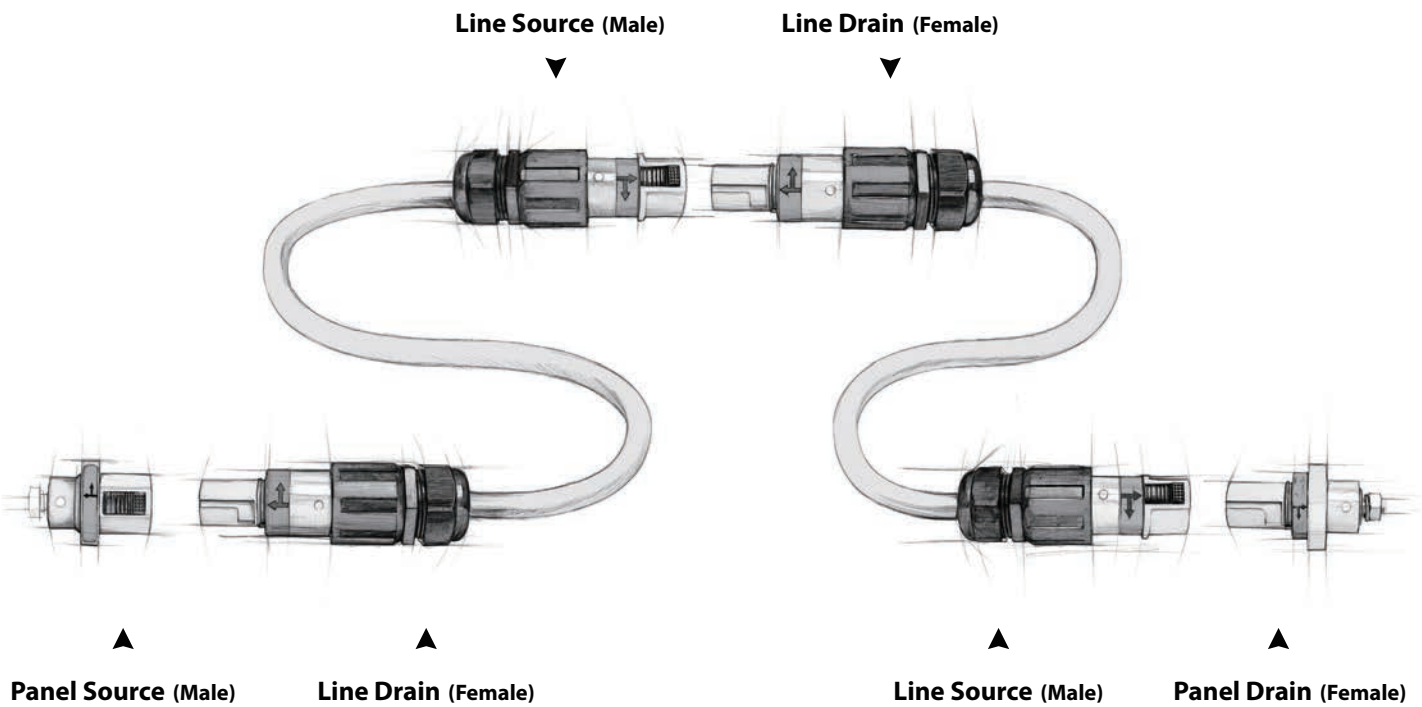


Enhanced safety protection: the contact head is covered with a rigid plastic cap to effectively prevent accidental electric shock.

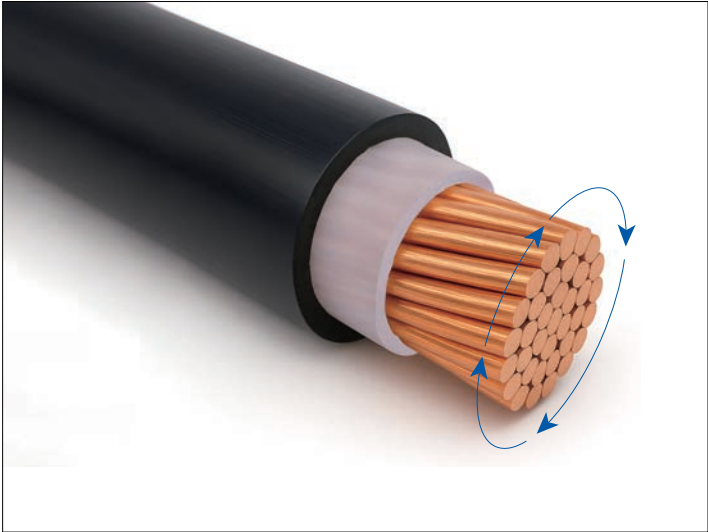
## OTHER FEATURES:

- Multi-contact: 24 spring contact elements provide excellent conductivity.
- Compatible with international brands such as Powersafe and Powerlock.
- Phase markings and color coding simplify identification and help prevent incorrect mating.
- IP67 protection rating (after source & drain are mated).

POWERFIT WIRING DIAGRAM



Cable Specifications



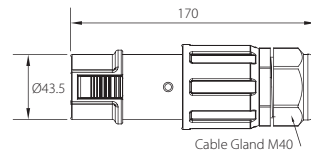
| Single-Core Cross Sectional Area | Cable Diameter | Rated Current Range (A) |
|----------------------------------|----------------|-------------------------|
| 90 mm <sup>2</sup>               | 13 mm          | 180-190 A               |
| 120 mm <sup>2</sup>              | 14.4 mm        | 240-280 A               |
| 150 mm <sup>2</sup>              | 16.2 mm        | 300-330 A               |
| 185 mm <sup>2</sup>              | 18.2 mm        | 410-550 A               |
| 240 mm <sup>2</sup>              | 20.6 mm        | 490-660 A               |
| 300 mm <sup>2</sup>              | 23.4 mm        | 560-750 A               |
| 400 mm <sup>2</sup>              | 26.6 mm        | 650-800 A               |

Single-Core Cross-Sectional Area: 90 - 400 mm<sup>2</sup>

Cable Diameter (Excluding Outer Sheath): 13 - 25.6 mm

Rated Current Range (A): 180 - 800 mm

## Line Source



### European Type



| Rated Current | Part No.                   | Cable No. | Color |
|---------------|----------------------------|-----------|-------|
| 800 A         | PFLS-EGN-C300-C400-M40/M50 | Ground    | Green |
|               | PFLS-NBL-C300-C400-M40/M50 | Neutral   | Blue  |
|               | PFLS-1BN-C300-C400-M40/M50 | Line 1    | Brown |
|               | PFLS-2BK-C300-C400-M40/M50 | Line 2    | Black |
|               | PFLS-3GY-C300-C400-M40/M50 | Line 3    | Grey  |
| 750 A         | PFLS-EGN-C300M40           | Ground    | Green |
|               | PFLS-NBL-C300M40           | Neutral   | Blue  |
|               | PFLS-1BN-C300M40           | Line 1    | Brown |
|               | PFLS-2BK-C300M40           | Line 2    | Black |
|               | PFLS-3GY-C300M40           | Line 3    | Grey  |
| 500 A         | PFLS-EGN-S150M40A          | Ground    | Green |
|               | PFLS-NBL-S150M40A          | Neutral   | Blue  |
|               | PFLS-1BN-S150M40A          | Line 1    | Brown |
|               | PFLS-2BK-S150M40A          | Line 2    | Black |
|               | PFLS-3GY-S150M40A          | Line 3    | Grey  |
| 400 A         | PFLS-EGN-S120M40A          | Ground    | Green |
|               | PFLS-NBL-S120M40A          | Neutral   | Blue  |
|               | PFLS-1BN-S120M40A          | Line 1    | Brown |
|               | PFLS-2BK-S120M40A          | Line 2    | Black |
|               | PFLS-3GY-S120M40A          | Line 3    | Grey  |

### Australian Type



| Rated Current | Part No.                   | Cable No. | Color |
|---------------|----------------------------|-----------|-------|
| 800 A         | PFLS-EGN-C300-C400-M40/M50 | Ground    | Green |
|               | PFLS-NBK-C300-C400-M40/M50 | Neutral   | Black |
|               | PFLS-1R-C300-C400-M40/M50  | Line 1    | Red   |
|               | PFLS-2W-C300-C400-M40/M50  | Line 2    | White |
|               | PFLS-3BL-C300-C400-M40/M50 | Line 3    | Blue  |
| 750 A         | PFLS-EGN-C300M40           | Ground    | Green |
|               | PFLS-NBK-C300M40           | Neutral   | Black |
|               | PFLS-1R-C300M40            | Line 1    | Red   |
|               | PFLS-2W-C300M40            | Line 2    | White |
|               | PFLS-3BL-C300M40           | Line 3    | Blue  |
| 500 A         | PFLS-EGN-S150M40A          | Ground    | Green |
|               | PFLS-NBK-S150M40A          | Neutral   | Black |
|               | PFLS-1R-S150M40A           | Line 1    | Red   |
|               | PFLS-2W-S150M40A           | Line 2    | White |
|               | PFLS-3BL-S150M40A          | Line 3    | Blue  |
| 400 A         | PFLS-EGN-S120M40A          | Ground    | Green |
|               | PFLS-NBK-S120M40A          | Neutral   | Black |
|               | PFLS-1R-S120M40A           | Line 1    | Red   |
|               | PFLS-2W-S120M40A           | Line 2    | White |
|               | PFLS-3BL-S120M40A          | Line 3    | Blue  |

### UK Type



| Rated Current | Part No.                   | Cable No. | Color  |
|---------------|----------------------------|-----------|--------|
| 800 A         | PFLS-EGN-C300-C400-M40/M50 | Ground    | Green  |
|               | PFLS-NBK-C300-C400-M40/M50 | Neutral   | Black  |
|               | PFLS-1R-C300-C400-M40/M50  | Line 1    | Red    |
|               | PFLS-2Y-C300-C400-M40/M50  | Line 2    | Yellow |
|               | PFLS-3BL-C300-C400-M40/M50 | Line 3    | Blue   |
| 750 A         | PFLS-EGN-C300M40           | Ground    | Green  |
|               | PFLS-NBK-C300M40           | Neutral   | Black  |
|               | PFLS-1R-C300M40            | Line 1    | Red    |
|               | PFLS-2Y-C300M40            | Line 2    | Yellow |
|               | PFLS-3BL-C300M40           | Line 3    | Blue   |
| 500 A         | PFLS-EGN-S150M40A          | Ground    | Green  |
|               | PFLS-NBK-S150M40A          | Neutral   | Black  |
|               | PFLS-1R-S150M40A           | Line 1    | Red    |
|               | PFLS-2Y-S150M40A           | Line 2    | Yellow |
|               | PFLS-3BL-S150M40A          | Line 3    | Blue   |
| 400 A         | PFLS-EGN-S120M40A          | Ground    | Green  |
|               | PFLS-NBK-S120M40A          | Neutral   | Black  |
|               | PFLS-1R-S120M40A           | Line 1    | Red    |
|               | PFLS-2Y-S120M40A           | Line 2    | Yellow |
|               | PFLS-3BL-S120M40A          | Line 3    | Blue   |

### Canadian Type



| Rated Current | Part No.                   | Cable No. | Color |
|---------------|----------------------------|-----------|-------|
| 800 A         | PFLS-EGN-C300-C400-M40/M50 | Ground    | Green |
|               | PFLS-NW-C300-C400-M40/M50  | Neutral   | White |
|               | PFLS-1R-C300-C400-M40/M50  | Line 1    | Red   |
|               | PFLS-2BK-C300-C400-M40/M50 | Line 2    | Black |
|               | PFLS-3BL-C300-C400-M40/M50 | Line 3    | Blue  |
| 750 A         | PFLS-EGN-C300M40           | Ground    | Green |
|               | PFLS-NW-C300M40            | Neutral   | White |
|               | PFLS-1R-C300M40            | Line 1    | Red   |
|               | PFLS-2BK-C300M40           | Line 2    | Black |
|               | PFLS-3BL-C300M40           | Line 3    | Blue  |
| 500 A         | PFLS-EGN-S150M40A          | Ground    | Green |
|               | PFLS-NWS150M40 A           | Neutral   | White |
|               | PFLS-1R-S150M40A           | Line 1    | Red   |
|               | PFLS-2BK-S150M40 A         | Line 2    | Black |
|               | PFLS-3BL-S150M40A          | Line 3    | Blue  |
| 400 A         | PFLS-EGN-S120M40A          | Ground    | Green |
|               | PFLS-NW-S120M40 A          | Neutral   | White |
|               | PFLS-1R-S120M40A           | Line 1    | Red   |
|               | PFLS-2BK-S120M40 A         | Line 2    | Black |
|               | PFLS-3BL-S120M40A          | Line 3    | Blue  |

### US Type (LV)



| Rated Current | Part No.                   | Cable No. | Color |
|---------------|----------------------------|-----------|-------|
| 800 A         | PFLS-EGN-C300-C400-M40/M50 | Ground    | Green |
|               | PFLS-NW-C300-C400-M40/M50  | Neutral   | White |
|               | PFLS-1BK-C300-C400-M40/M50 | Line 1    | Black |
|               | PFLS-2R-C300-C400-M40/M50  | Line 2    | Red   |
|               | PFLS-3BL-C300-C400-M40/M50 | Line 3    | Blue  |
| 750 A         | PFLS-EGN-C300M40           | Ground    | Green |
|               | PFLS-NW-C300M40            | Neutral   | White |
|               | PFLS-1BK-C300M40           | Line 1    | Black |
|               | PFLS-2R-C300M40            | Line 2    | Red   |
|               | PFLS-3BL-C300M40           | Line 3    | Blue  |
| 500 A         | PFLS-EGN-S150M40A          | Ground    | Green |
|               | PFLS-NW-S150M40A           | Neutral   | White |
|               | PFLS-1BK-S150M40A          | Line 1    | Black |
|               | PFLS-2R-S150M40A           | Line 2    | Red   |
|               | PFLS-3BL-S150M40A          | Line 3    | Blue  |
| 400 A         | PFLS-EGN-S120M40A          | Ground    | Green |
|               | PFLS-NW-S120M40A           | Neutral   | White |
|               | PFLS-1BK-S120M40A          | Line 1    | Black |
|               | PFLS-2R-S120M40A           | Line 2    | Red   |
|               | PFLS-3BL-S120M40A          | Line 3    | Blue  |

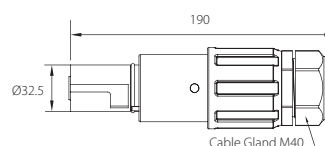
### US Type (HV)



| Rated Current | Part No.                   | Cable No. | Color  |
|---------------|----------------------------|-----------|--------|
| 800 A         | PFLS-EGN-C300-C400-M40/M50 | Ground    | Green  |
|               | PFLS-NGY-C300-C400-M40/M50 | Neutral   | Grey   |
|               | PFLS-1BN-C300-C400-M40/M50 | Line 1    | Brown  |
|               | PFLS-2O-C300-C400-M40/M50  | Line 2    | Orange |
|               | PFLS-3Y-C300-C400-M40/M50  | Line 3    | Yellow |
| 750 A         | PFLS-EGN-C300M40           | Ground    | Green  |
|               | PFLS-NGY-C300M40           | Neutral   | Grey   |
|               | PFLS-1BN-C300M40           | Line 1    | Brown  |
|               | PFLS-2O-C300M40            | Line 2    | Orange |
|               | PFLS-3Y-C300M40            | Line 3    | Yellow |
| 500 A         | PFLS-EGN-S150M40A          | Ground    | Green  |
|               | PFLS-NGY-S150M40 A         | Neutral   | Grey   |
|               | PFLS-1BN-S150M40 A         | Line 1    | Brown  |
|               | PFLS-2O-S150M40 A          | Line 2    | Orange |
|               | PFLS-3Y-S150M40 A          | Line 3    | Yellow |
| 400 A         | PFLS-EGN-S120M40A          | Ground    | Green  |
|               | PFLS-NGY-S120M40 A         | Neutral   | Grey   |
|               | PFLS-1BN-S120M40 A         | Line 1    | Brown  |
|               | PFLS-2O-S120M40 A          | Line 2    | Orange |
|               | PFLS-3Y-S120M40 A          | Line 3    | Yellow |

⚠ Do not reuse the white cotter pin, as doing so may result in damage and expose you to the risk of electric shock. ⚠

## Line Drain



## European Type



| Rated Current | Part No.                   | Cable No. | Color |
|---------------|----------------------------|-----------|-------|
| 800 A         | PFLD-EGN-C300-C400-M40/M50 | Ground    | Green |
|               | PFLD-NBL-C300-C400-M40/M50 | Neutral   | Blue  |
|               | PFLD-1BN-C300-C400-M40/M50 | Line 1    | Brown |
|               | PFLD-2BK-C300-C400-M40/M50 | Line 2    | Black |
|               | PFLD-3GY-C300-C400-M40/M50 | Line 3    | Grey  |
| 750 A         | PFLD-EGN-C300M40           | Ground    | Green |
|               | PFLD-NBL-C300M40           | Neutral   | Blue  |
|               | PFLD-1BN-C300M40           | Line 1    | Brown |
|               | PFLD-2BK-C300M40           | Line 2    | Black |
| 500 A         | PFLD-3GY-C300M40           | Line 3    | Grey  |
|               | PFLD-EGN-S150M40A          | Ground    | Green |
|               | PFLD-NBL-S150M40A          | Neutral   | Blue  |
|               | PFLD-1BN-S150M40 A         | Line 1    | Brown |
| 400 A         | PFLD-2BK-S150M40 A         | Line 2    | Black |
|               | PFLD-3GY-S150M40 A         | Line 3    | Grey  |
|               | PFLD-EGN-S120M40A          | Ground    | Green |
|               | PFLD-NBL-S120M40A          | Neutral   | Blue  |
|               | PFLD-1BN-S120M40 A         | Line 1    | Brown |
|               | PFLD-2BK-S120M40 A         | Line 2    | Black |
|               | PFLD-3GY-S120M40 A         | Line 3    | Grey  |

## Australian Type



| Rated Current | Part No.                   | Cable No. | Color |
|---------------|----------------------------|-----------|-------|
| 800 A         | PFLD-EGN-C300-C400-M40/M50 | Ground    | Green |
|               | PFLD-NBK-C300-C400-M40/M50 | Neutral   | Black |
|               | PFLD-1R-C300-C400-M40/M50  | Line 1    | Red   |
|               | PFLD-2W-C300-C400-M40/M50  | Line 2    | White |
|               | PFLD-3BL-C300-C400-M40/M50 | Line 3    | Blue  |
| 750 A         | PFLD-EGN-C300M40           | Ground    | Green |
|               | PFLD-NBK-C300M40           | Neutral   | Black |
|               | PFLD-1R-C300M40            | Line 1    | Red   |
|               | PFLD-2W-C300M40            | Line 2    | White |
| 500 A         | PFLD-3BL-C300M40           | Line 3    | Blue  |
|               | PFLD-EGN-S150M40A          | Ground    | Green |
|               | PFLD-NBK-S150M40A          | Neutral   | Black |
|               | PFLD-1R-S150M40 A          | Line 1    | Red   |
| 400 A         | PFLD-2W-S150M40 A          | Line 2    | White |
|               | PFLD-3BL-S150M40 A         | Line 3    | Blue  |
|               | PFLD-EGN-S120M40A          | Ground    | Green |
|               | PFLD-NBK-S120M40A          | Neutral   | Black |
|               | PFLD-1R-S120M40 A          | Line 1    | Red   |
|               | PFLD-2W-S120M40 A          | Line 2    | White |
|               | PFLD-3BL-S120M40 A         | Line 3    | Blue  |

## UK Type



| Rated Current | Part No.                   | Cable No. | Color  |
|---------------|----------------------------|-----------|--------|
| 800 A         | PFLD-EGN-C300-C400-M40/M50 | Ground    | Green  |
|               | PFLD-NBK-C300-C400-M40/M50 | Neutral   | Black  |
|               | PFLD-1R-C300-C400-M40/M50  | Line 1    | Red    |
|               | PFLD-2Y-C300-C400-M40/M50  | Line 2    | Yellow |
|               | PFLD-3BL-C300-C400-M40/M50 | Line 3    | Blue   |
| 750 A         | PFLD-EGN-C300M40           | Ground    | Green  |
|               | PFLD-NBK-C300M40           | Neutral   | Black  |
|               | PFLD-1R-C300M40            | Line 1    | Red    |
|               | PFLD-2Y-C300M40            | Line 2    | Yellow |
| 500 A         | PFLD-3BL-C300M40           | Line 3    | Blue   |
|               | PFLD-EGN-S150M40A          | Ground    | Green  |
|               | PFLD-NBK-S150M40A          | Neutral   | Black  |
|               | PFLD-1R-S150M40 A          | Line 1    | Red    |
| 400 A         | PFLD-2Y-S150M40 A          | Line 2    | Yellow |
|               | PFLD-3BL-S150M40 A         | Line 3    | Blue   |
|               | PFLD-EGN-S120M40A          | Ground    | Green  |
|               | PFLD-NBK-S120M40A          | Neutral   | Black  |
|               | PFLD-1R-S120M40 A          | Line 1    | Red    |
|               | PFLD-2Y-S120M40 A          | Line 2    | Yellow |
|               | PFLD-3BL-S120M40 A         | Line 3    | Blue   |

## Canadian Type



| Rated Current | Part No.                   | Cable No. | Color |
|---------------|----------------------------|-----------|-------|
| 800 A         | PFLD-EGN-C300-C400-M40/M50 | Ground    | Green |
|               | PFLD-NW-C300-C400-M40/M50  | Neutral   | White |
|               | PFLD-1R-C300-C400-M40/M50  | Line 1    | Red   |
|               | PFLD-2BK-C300-C400-M40/M50 | Line 2    | Black |
|               | PFLD-3BL-C300-C400-M40/M50 | Line 3    | Blue  |
| 750 A         | PFLD-EGN-C300M40           | Ground    | Green |
|               | PFLD-NW-C300M40            | Neutral   | White |
|               | PFLD-1R-C300M40            | Line 1    | Red   |
|               | PFLD-2BK-C300M40           | Line 2    | Black |
| 500 A         | PFLD-3BL-C300M40           | Line 3    | Blue  |
|               | PFLD-EGN-S150M40A          | Ground    | Green |
|               | PFLD-NW-S150M40 A          | Neutral   | White |
|               | PFLD-1R-S150M40 A          | Line 1    | Red   |
| 400 A         | PFLD-2BK-S150M40 A         | Line 2    | Black |
|               | PFLD-3BL-S150M40 A         | Line 3    | Blue  |
|               | PFLD-EGN-S120M40A          | Ground    | Green |
|               | PFLD-NW-S120M40 A          | Neutral   | White |
|               | PFLD-1R-S120M40 A          | Line 1    | Red   |
|               | PFLD-2BK-S120M40 A         | Line 2    | Black |
|               | PFLD-3BL-S120M40 A         | Line 3    | Blue  |

## US Type (LV)



| Rated Current | Part No.                   | Cable No. | Color |
|---------------|----------------------------|-----------|-------|
| 800 A         | PFLD-EGN-C300-C400-M40/M50 | Ground    | Green |
|               | PFLD-NW-C300-C400-M40/M50  | Neutral   | White |
|               | PFLD-1BK-C300-C400-M40/M50 | Line 1    | Black |
|               | PFLD-2R-C300-C400-M40/M50  | Line 2    | Red   |
|               | PFLD-3BL-C300-C400-M40/M50 | Line 3    | Blue  |
| 750 A         | PFLD-EGN-C300M40           | Ground    | Green |
|               | PFLD-NW-C300M40            | Neutral   | White |
|               | PFLD-1BK-C300M40           | Line 1    | Black |
|               | PFLD-2R-C300M40            | Line 2    | Red   |
| 500 A         | PFLD-3BL-C300M40           | Line 3    | Blue  |
|               | PFLD-EGN-S150M40A          | Ground    | Green |
|               | PFLD-NW-S150M40A           | Neutral   | White |
|               | PFLD-1BK-S150M40 A         | Line 1    | Black |
| 400 A         | PFLD-2R-S150M40 A          | Line 2    | Red   |
|               | PFLD-3BL-S150M40 A         | Line 3    | Blue  |
|               | PFLD-EGN-S120M40A          | Ground    | Green |
|               | PFLD-NW-S120M40A           | Neutral   | White |
|               | PFLD-1BK-S120M40 A         | Line 1    | Black |
|               | PFLD-2R-S120M40 A          | Line 2    | Red   |
|               | PFLD-3BL-S120M40 A         | Line 3    | Blue  |

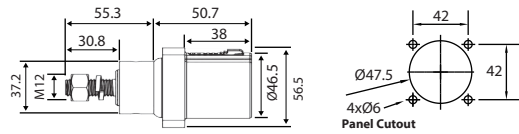
## US Type (HV)



| Rated Current | Part No.                   | Cable No. | Color  |
|---------------|----------------------------|-----------|--------|
| 800 A         | PFLD-EGN-C300-C400-M40/M50 | Ground    | Green  |
|               | PFLD-NGY-C300-C400-M40/M50 | Neutral   | Grey   |
|               | PFLD-1BN-C300-C400-M40/M50 | Line 1    | Brown  |
|               | PFLD-2O-C300-C400-M40/M50  | Line 2    | Orange |
|               | PFLD-3Y-C300-C400-M40/M50  | Line 3    | Yellow |
| 750 A         | PFLD-EGN-C300M40           | Ground    | Green  |
|               | PFLD-NGY-C300M40           | Neutral   | Grey   |
|               | PFLD-1BN-C300M40           | Line 1    | Brown  |
|               | PFLD-2O-C300M40            | Line 2    | Orange |
| 500 A         | PFLD-3Y-C300M40            | Line 3    | Yellow |
|               | PFLD-EGN-S150M40A          | Ground    | Green  |
|               | PFLD-NGY-S150M40 A         | Neutral   | Grey   |
|               | PFLD-1BN-S150M40 A         | Line 1    | Brown  |
| 400 A         | PFLD-2O-S150M40 A          | Line 2    | Orange |
|               | PFLD-3Y-S150M40 A          | Line 3    | Yellow |
|               | PFLD-EGN-S120M40A          | Ground    | Green  |
|               | PFLD-NGY-S120M40 A         | Neutral   | Grey   |
|               | PFLD-1BN-S120M40 A         | Line 1    | Brown  |
|               | PFLD-2O-S120M40 A          | Line 2    | Orange |
|               | PFLD-3Y-S120M40 A          | Line 3    | Yellow |

⚠ Do not reuse the white cotter pin, as doing so may result in damage and expose you to the risk of electric shock. ⚠

## Panel Source



### European Type



| Rated Current | Part No.    | Cable No. | Color |
|---------------|-------------|-----------|-------|
| 800 A         | PFPS-EGN-T8 | Ground    | Green |
|               | PFPS-NBL-T8 | Neutral   | Blue  |
|               | PFPS-1BN-T8 | Line 1    | Brown |
|               | PFPS-2BK-T8 | Line 2    | Black |
|               | PFPS-3GY-T8 | Line 3    | Grey  |
| 750 A         | PFPS-EGN-T7 | Ground    | Green |
|               | PFPS-NBL-T7 | Neutral   | Blue  |
|               | PFPS-1BN-T7 | Line 1    | Brown |
|               | PFPS-2BK-T7 | Line 2    | Black |
|               | PFPS-3GY-T7 | Line 3    | Grey  |
| 500 A         | PFPS-EGN-T5 | Ground    | Green |
|               | PFPS-NBL-T5 | Neutral   | Blue  |
|               | PFPS-1BN-T5 | Line 1    | Brown |
|               | PFPS-2BK-T5 | Line 2    | Black |
|               | PFPS-3GY-T5 | Line 3    | Grey  |
| 400 A         | PFPS-EGN    | Ground    | Green |
|               | PFPS-NBL    | Neutral   | Blue  |
|               | PFPS-1BN    | Line 1    | Brown |
|               | PFPS-2BK    | Line 2    | Black |
|               | PFPS-3GY    | Line 3    | Grey  |

### Australian Type



| Rated Current | Part No.    | Cable No. | Color |
|---------------|-------------|-----------|-------|
| 800 A         | PFPS-EGN-T8 | Ground    | Green |
|               | PFPS-NBK-T8 | Neutral   | Black |
|               | PFPS-1R-T8  | Line 1    | Red   |
|               | PFPS-2W-T8  | Line 2    | White |
|               | PFPS-3BL-T8 | Line 3    | Blue  |
| 750 A         | PFPS-EGN-T7 | Ground    | Green |
|               | PFPS-NBK-T7 | Neutral   | Black |
|               | PFPS-1R-T7  | Line 1    | Red   |
|               | PFPS-2W-T7  | Line 2    | White |
|               | PFPS-3BL-T7 | Line 3    | Blue  |
| 500 A         | PFPS-EGN-T5 | Ground    | Green |
|               | PFPS-NBK-T5 | Neutral   | Black |
|               | PFPS-1R-T5  | Line 1    | Red   |
|               | PFPS-2W-T5  | Line 2    | White |
|               | PFPS-3BL-T5 | Line 3    | Blue  |
| 400 A         | PFPS-EGN    | Ground    | Green |
|               | PFPS-NBK    | Neutral   | Black |
|               | PFPS-1R     | Line 1    | Red   |
|               | PFPS-2W     | Line 2    | White |
|               | PFPS-3BL    | Line 3    | Blue  |

### UK Type



| Rated Current | Part No.    | Cable No. | Color  |
|---------------|-------------|-----------|--------|
| 800 A         | PFPS-EGN-T8 | Ground    | Green  |
|               | PFPS-NBK-T8 | Neutral   | Black  |
|               | PFPS-1R-T8  | Line 1    | Red    |
|               | PFPS-2Y-T8  | Line 2    | Yellow |
|               | PFPS-3BL-T8 | Line 3    | Blue   |
| 750 A         | PFPS-EGN-T7 | Ground    | Green  |
|               | PFPS-NBK-T7 | Neutral   | Black  |
|               | PFPS-1R-T7  | Line 1    | Red    |
|               | PFPS-2Y-T7  | Line 2    | Yellow |
|               | PFPS-3BL-T7 | Line 3    | Blue   |
| 500 A         | PFPS-EGN-T5 | Ground    | Green  |
|               | PFPS-NBK-T5 | Neutral   | Black  |
|               | PFPS-1R-T5  | Line 1    | Red    |
|               | PFPS-2Y-T5  | Line 2    | Yellow |
|               | PFPS-3BL-T5 | Line 3    | Blue   |
| 400 A         | PFPS-EGN    | Ground    | Green  |
|               | PFPS-NBK    | Neutral   | Black  |
|               | PFPS-1R     | Line 1    | Red    |
|               | PFPS-2Y     | Line 2    | Yellow |
|               | PFPS-3BL    | Line 3    | Blue   |

### Canadian Type



| Rated Current | Part No.    | Cable No. | Color |
|---------------|-------------|-----------|-------|
| 800 A         | PFPS-EGN-T8 | Ground    | Green |
|               | PFPS-NW-T8  | Neutral   | White |
|               | PFPS-1R-T8  | Line 1    | Red   |
|               | PFPS-2BK-T8 | Line 2    | Black |
|               | PFPS-3BL-T8 | Line 3    | Blue  |
| 750 A         | PFPS-EGN-T7 | Ground    | Green |
|               | PFPS-NW-T7  | Neutral   | White |
|               | PFPS-1R-T7  | Line 1    | Red   |
|               | PFPS-2BK-T7 | Line 2    | Black |
|               | PFPS-3BL-T7 | Line 3    | Blue  |
| 500 A         | PFPS-EGN-T5 | Ground    | Green |
|               | PFPS-NW-T5  | Neutral   | White |
|               | PFPS-1R-T5  | Line 1    | Red   |
|               | PFPS-2BK-T5 | Line 2    | Black |
|               | PFPS-3BL-T5 | Line 3    | Blue  |
| 400 A         | PFPS-EGN    | Ground    | Green |
|               | PFPS-NW     | Neutral   | White |
|               | PFPS-1R     | Line 1    | Red   |
|               | PFPS-2BK    | Line 2    | Black |
|               | PFPS-3BL    | Line 3    | Blue  |

### US Type (LV)



| Rated Current | Part No.    | Cable No. | Color |
|---------------|-------------|-----------|-------|
| 800 A         | PFPS-EGN-T8 | Ground    | Green |
|               | PFPS-NW-T8  | Neutral   | White |
|               | PFPS-1BK-T8 | Line 1    | Black |
|               | PFPS-2R-T8  | Line 2    | Red   |
|               | PFPS-3BL-T8 | Line 3    | Blue  |
| 750 A         | PFPS-EGN-T7 | Ground    | Green |
|               | PFPS-NW-T7  | Neutral   | White |
|               | PFPS-1BK-T7 | Line 1    | Black |
|               | PFPS-2R-T7  | Line 2    | Red   |
|               | PFPS-3BL-T7 | Line 3    | Blue  |
| 500 A         | PFPS-EGN-T5 | Ground    | Green |
|               | PFPS-NW-T5  | Neutral   | White |
|               | PFPS-1BK-T5 | Line 1    | Black |
|               | PFPS-2R-T5  | Line 2    | Red   |
|               | PFPS-3BL-T5 | Line 3    | Blue  |
| 400 A         | PFPS-EGN    | Ground    | Green |
|               | PFPS-NW     | Neutral   | White |
|               | PFPS-1BK    | Line 1    | Black |
|               | PFPS-2R     | Line 2    | Red   |
|               | PFPS-3BL    | Line 3    | Blue  |

### US Type (HV)



| Rated Current | Part No.    | Cable No. | Color  |
|---------------|-------------|-----------|--------|
| 800 A         | PFPS-EGN-T8 | Ground    | Green  |
|               | PFPS-NGY-T8 | Neutral   | Grey   |
|               | PFPS-1BN-T8 | Line 1    | Brown  |
|               | PFPS-2O-T8  | Line 2    | Orange |
|               | PFPS-3Y-T8  | Line 3    | Yellow |
| 750 A         | PFPS-EGN-T7 | Ground    | Green  |
|               | PFPS-NGY-T7 | Neutral   | Grey   |
|               | PFPS-1BN-T7 | Line 1    | Brown  |
|               | PFPS-2O-T7  | Line 2    | Orange |
|               | PFPS-3Y-T7  | Line 3    | Yellow |
| 500 A         | PFPS-EGN-T5 | Ground    | Green  |
|               | PFPS-NGY-T5 | Neutral   | Grey   |
|               | PFPS-1BN-T5 | Line 1    | Brown  |
|               | PFPS-2O-T5  | Line 2    | Orange |
|               | PFPS-3Y-T5  | Line 3    | Yellow |
| 400 A         | PFPS-EGN    | Ground    | Green  |
|               | PFPS-NGY    | Neutral   | Grey   |
|               | PFPS-1BN    | Line 1    | Brown  |
|               | PFPS-2O     | Line 2    | Orange |
|               | PFPS-3Y     | Line 3    | Yellow |

⚠ Do not reuse the white cotter pin, as doing so may result in damage and expose you to the risk of electric shock. ⚠



## Australian Type



| Rated Current | Part No.    | Cable No. | Color |
|---------------|-------------|-----------|-------|
| 800 A         | PFPD-EGN-T8 | Ground    | Green |
|               | PFPD-NBK-T8 | Neutral   | Black |
|               | PFPD-1R-T8  | Line 1    | Red   |
|               | PFPD-2W-T8  | Line 2    | White |
|               | PFPD-3BL-T8 | Line 3    | Blue  |
| 750 A         | PFPD-EGN-T7 | Ground    | Green |
|               | PFPD-NBK-T7 | Neutral   | Black |
|               | PFPD-1R-T7  | Line 1    | Red   |
|               | PFPD-2W-T7  | Line 2    | White |
|               | PFPD-3BL-T7 | Line 3    | Blue  |
| 500 A         | PFPD-EGN-T5 | Ground    | Green |
|               | PFPD-NBK-T5 | Neutral   | Black |
|               | PFPD-1R-T5  | Line 1    | Red   |
|               | PFPD-2 W-T5 | Line 2    | White |
|               | PFPD-3BL-T5 | Line 3    | Blue  |
| 400 A         | PFPD-EGN    | Ground    | Green |
|               | PFPD-NBK    | Neutral   | Black |
|               | PFPD-1R     | Line 1    | Red   |
|               | PFPD-2 W    | Line 2    | White |
|               | PFPD-3BL    | Line 3    | Blue  |

## Canadian Type



| Rated Current | Part No.    | Cable No. | Color |
|---------------|-------------|-----------|-------|
| 800 A         | PFPD-EGN-T8 | Ground    | Green |
|               | PFPD-NW-T8  | Neutral   | White |
|               | PFPD-1R-T8  | Line 1    | Red   |
|               | PFPD-2BK-T8 | Line 2    | Black |
|               | PFPD-3BL-T8 | Line 3    | Blue  |
| 750 A         | PFPD-EGN-T7 | Ground    | Green |
|               | PFPD-NW-T7  | Neutral   | White |
|               | PFPD-1R-T7  | Line 1    | Red   |
|               | PFPD-2BK-T7 | Line 2    | Black |
|               | PFPD-3BL-T7 | Line 3    | Blue  |
| 500 A         | PFPD-EGN-T5 | Ground    | Green |
|               | PFPD-NW-T5  | Neutral   | White |
|               | PFPD-1R-T5  | Line 1    | Red   |
|               | PFPD-2BK-T5 | Line 2    | Black |
|               | PFPD-3BL-T5 | Line 3    | Blue  |
| 400 A         | PFPD-EGN    | Ground    | Green |
|               | PFPD-NW     | Neutral   | White |
|               | PFPD-1R     | Line 1    | Red   |
|               | PFPD-2BK    | Line 2    | Black |
|               | PFPD-3BL    | Line 3    | Blue  |

## US Type (HV)



| Rated Current | Part No.    | Cable No. | Color  |
|---------------|-------------|-----------|--------|
| 800 A         | PFPD-EGN-T8 | Ground    | Green  |
|               | PFPD-NGY-T8 | Neutral   | Grey   |
|               | PFPD-1BN-T8 | Line 1    | Brown  |
|               | PFPD-2O-T8  | Line 2    | Orange |
|               | PFPD-3Y-T8  | Line 3    | Yellow |
| 750 A         | PFPD-EGN-T7 | Ground    | Green  |
|               | PFPD-NGY-T7 | Neutral   | Grey   |
|               | PFPD-1BN-T7 | Line 1    | Brown  |
|               | PFPD-2O-T7  | Line 2    | Orange |
|               | PFPD-3Y-T7  | Line 3    | Yellow |
| 500 A         | PFPD-EGN-T5 | Ground    | Green  |
|               | PFPD-NGY-T5 | Neutral   | Grey   |
|               | PFPD-1BN-T5 | Line 1    | Brown  |
|               | PFPD-2O-T5  | Line 2    | Orange |
|               | PFPD-3Y-T5  | Line 3    | Yellow |
| 400 A         | PFPD-EGN    | Ground    | Green  |
|               | PFPD-NGY    | Neutral   | Grey   |
|               | PFPD-1BN    | Line 1    | Brown  |
|               | PFPD-2O     | Line 2    | Orange |
|               | PFPD-3Y     | Line 3    | Yellow |

8

POWERFIT Assembly Guide

This guide provides the essential procedures and key precautions for reference.  
Please note the following before installation:

- Installation must be performed by qualified personnel in accordance with national and local electrical codes.
  - Disconnect power before installation. Never wire energized electrical components
  - White cotter pin must not be reused—reuse invalidates IP rating.
- Use copper conductors only
  - Ensure proper crimp tool, die size, and torque values.

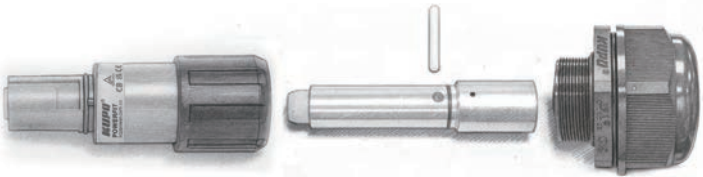
1. Crimp Termination Line Source / Line Drain, 750 A / 800 A

Required components:

- Cable gland (included Rubber ring )
  - Contact
- Housing (insulator)
  - White cotter pin (single use)

Key Points:

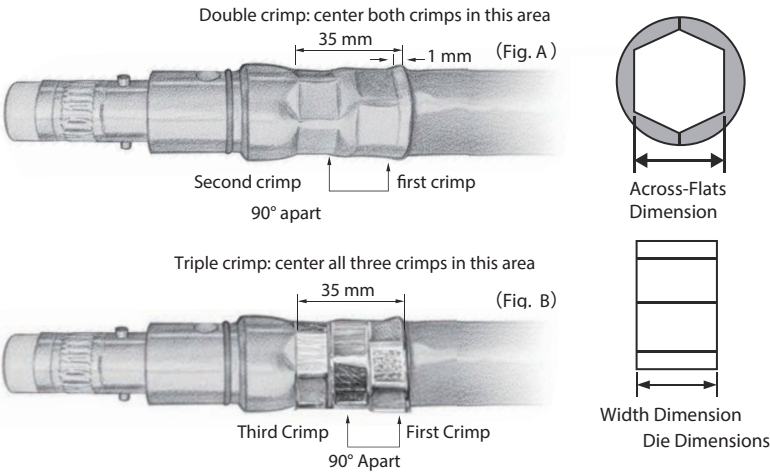
1. Use appropriate hexagonal crimp dies (see Die Dimensions).
2. Strip cable insulation to 42 mm; avoid damaging strands.
3. Keep cable straight within 1 meter to prevent strand displacement.
4. Triple crimping is recommended for cables over 150 mm² to help prevent pullout (Fig. B).



Crimp Die:

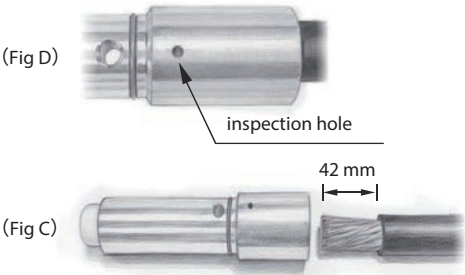
A hexagonal crimp is recommended. The main variables are the across-flats dimension and the die width.

| Description | Crimp Die Details     |                          |
|-------------|-----------------------|--------------------------|
|             | Die Across-Flats (mm) | Die Width Dimension (mm) |
| C25         | 7.6                   | 9.0                      |
| C35         | 9.0                   | 12.0                     |
| C50         | 10.0                  | 12.0                     |
| C70         | 12.0                  | 12.0                     |
| C95         | 14.0                  | 12.0                     |
| C120        | 16.0                  | 12.0                     |
| C150        | 17.3                  | 12.0                     |
| C185        | 19.0                  | 12.0                     |
| C240        | 21.5                  | 12.0                     |
| C300        | 23.0                  | 12.0                     |



Crimp Assembly Procedure:

1. Remove cable gland and slide it onto the cable .
2. Strip 42 mm of insulation. (Fig.C )
3. Insert conductor fully into contact .
4. Ensure copper strands are visible in inspection hole. (Fig. D)
5. Apply two or three crimps, depending on die width (Figs. A and B).
6. Insert contact into insulator and align white cotter pin hole.
7. Insert the single-use white cotter pin, and use soft hammer to drive in.
8. Tighten the cable gland to 11 N·m.
9. Perform final inspection.



Crimping Assembly Steps:



Slide the cable gland and rubber ring onto the cable.



Ensure the cable core is fully inserted into the contact, then crimp it securely with a hydraulic tool.



Insert the contact into the connector and align the pin hole, then insert the white cotter pin.



Tighten the cable gland and perform a complete inspection.

## 2. Screw Termination ( Line Source Line Drain 400 A, 500 A)

### Required Components:

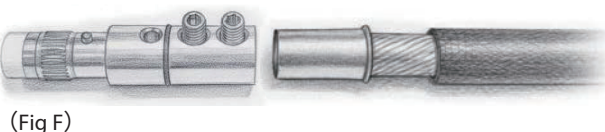
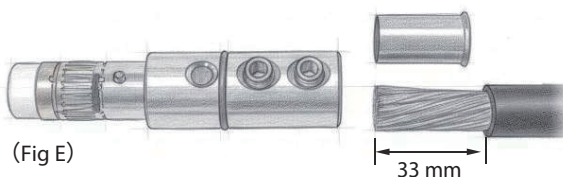
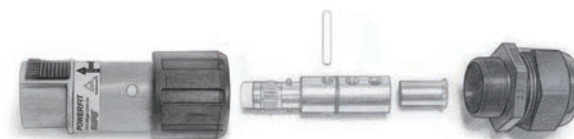
- Cable gland (with rubber ring)
- Contact
- Housing
- White cotter pin (single use)
- Reducing sleeve (standard R120)

### Key Points:

1. Strip 33 mm of cable insulation to expose the copper wire. (Fig. E)
2. A silver-plated brass reducing sleeve must be used. (Fig. F)
3. Tighten the locking screw to at least 10.5 N·m.
4. Tighten using a 5 mm hex key.

### Set Screw Installation Steps:

1. Slide the cable gland onto the cable.
2. Strip 33 mm of insulation.
3. Install the appropriate reducing sleeve in the correct order.
4. Insert the contact and tighten the locking screw to at least 10.5 N·m.
5. Insert the contact into the housing and align it with the white cotter pin hole.
6. Insert the white cotter pin (single use) and tap it in with a soft mallet.
7. Tighten the cable gland to 11 N·m.
8. Perform a final inspection.



### Set-Screw Assembly Steps:



Slide the cable gland and rubber ring onto the cable.

Outer Diameter  $\varnothing 17.5$  mm  
Inner Diameter  $\varnothing 16.5$  mm



The PF-R120 silver-plated brass reducing sleeve accommodates a copper core up to 16.5 mm in diameter.



Slide the silver-plated brass reducing sleeve onto the exposed cable core.



Fully insert the sleeved cable conductor into the brass contact, then tighten the two hex-socket screws.



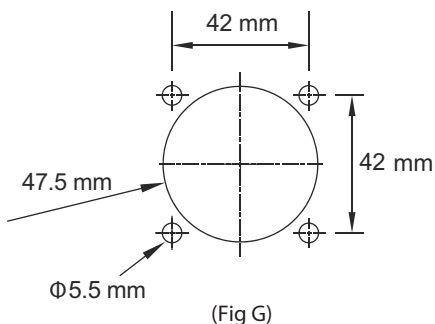
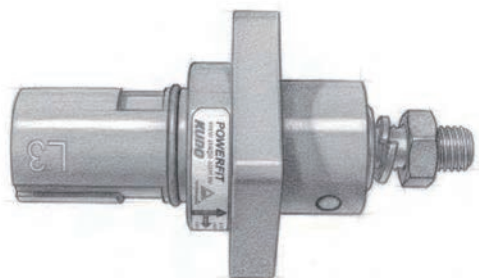
Insert the contact into the connector and align the pin hole, then insert the white cotter pin.



Tighten the cable gland and perform a complete inspection.

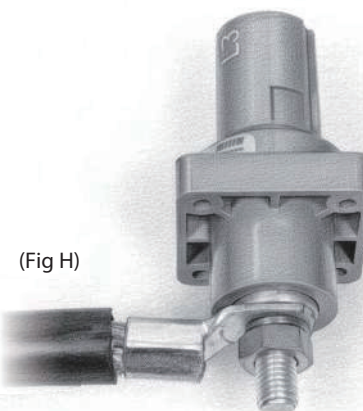
## 4. Threaded Stud Termination ( Panel Source Panel Drain )

For panel-mount versions. Supplied with a contact, an M12 nut and a washer. Panel cutout dimensions are shown in the diagram. (Fig. G)



### Threaded Stud Installation Steps:

1. Remove the M12 nut and washer.
2. Install the cable lug/terminal onto the threaded stud. (Fig. H)
3. Reinstall the washer and nut.
4. Recommended tightening torque: 12-14 N·m.
5. Perform a final inspection.
6. The panel has four 5.5 mm mounting holes.



## Line Source (Locking Type)

### European Type



| Rated Current | Part No.                     | Cable No. | Color |
|---------------|------------------------------|-----------|-------|
| 800 A         | PFLS-EGN-C300-C400-M40/M50-L | Ground    | Green |
|               | PFLS-NBL-C300-C400-M40/M50-L | Neutral   | Blue  |
|               | PFLS-1BN-C300-C400-M40/M50-L | Line 1    | Brown |
|               | PFLS-2BK-C300-C400-M40/M50-L | Line 2    | Black |
|               | PFLS-3GY-C300-C400-M40/M50-L | Line 3    | Grey  |
| 750 A         | PFLS-EGN-C300M40-L           | Ground    | Green |
|               | PFLS-NBL-C300M40-L           | Neutral   | Blue  |
|               | PFLS-1BN-C300M40-L           | Line 1    | Brown |
|               | PFLS-2BK-C300M40-L           | Line 2    | Black |
|               | PFLS-3GY-C300M40-L           | Line 3    | Grey  |
| 500 A         | PFLS-EGN-S150M40A-L          | Ground    | Green |
|               | PFLS-NBL-S150M40A-L          | Neutral   | Blue  |
|               | PFLS-1BN-S150M40A-L          | Line 1    | Brown |
|               | PFLS-2BK-S150M40A-L          | Line 2    | Black |
|               | PFLS-3GY-S150M40A-L          | Line 3    | Grey  |
| 400 A         | PFLS-EGN-S120M40A-L          | Ground    | Green |
|               | PFLS-NBL-S120M40A-L          | Neutral   | Blue  |
|               | PFLS-1BN-S120M40A-L          | Line 1    | Brown |
|               | PFLS-2BK-S120M40A-L          | Line 2    | Black |
|               | PFLS-3GY-S120M40A-L          | Line 3    | Grey  |

### Australian Type



| Rated Current | Part No.                     | Cable No. | Color |
|---------------|------------------------------|-----------|-------|
| 800 A         | PFLS-EGN-C300-C400-M40/M50-L | Ground    | Green |
|               | PFLS-NBK-C300-C400-M40/M50-L | Neutral   | Black |
|               | PFLS-1R-C300-C400-M40/M50-L  | Line 1    | Red   |
|               | PFLS-2W-C300-C400-M40/M50-L  | Line 2    | White |
|               | PFLS-3BL-C300-C400-M40/M50-L | Line 3    | Blue  |
| 750 A         | PFLS-EGN-C300M40-L           | Ground    | Green |
|               | PFLS-NBK-C300M40-L           | Neutral   | Black |
|               | PFLS-1R-C300M40-L            | Line 1    | Red   |
|               | PFLS-2W-C300M40-L            | Line 2    | White |
|               | PFLS-3BL-C300M40-L           | Line 3    | Blue  |
| 500 A         | PFLS-EGN-S150M40A-L          | Ground    | Green |
|               | PFLS-NBK-S150M40A-L          | Neutral   | Black |
|               | PFLS-1R-S150M40A-L           | Line 1    | Red   |
|               | PFLS-2W-S150M40A-L           | Line 2    | White |
|               | PFLS-3BL-S150M40A-L          | Line 3    | Blue  |
| 400 A         | PFLS-EGN-S120M40A-L          | Ground    | Green |
|               | PFLS-NBK-S120M40A-L          | Neutral   | Black |
|               | PFLS-1R-S120M40A-L           | Line 1    | Red   |
|               | PFLS-2W-S120M40A-L           | Line 2    | White |
|               | PFLS-3BL-S120M40A-L          | Line 3    | Blue  |

### UK Type



| Rated Current | Part No.                     | Cable No. | Color  |
|---------------|------------------------------|-----------|--------|
| 800 A         | PFLS-EGN-C300-C400-M40/M50-L | Ground    | Green  |
|               | PFLS-NBK-C300-C400-M40/M50-L | Neutral   | Black  |
|               | PFLS-1R-C300-C400-M40/M50-L  | Line 1    | Red    |
|               | PFLS-2Y-C300-C400-M40/M50-L  | Line 2    | Yellow |
|               | PFLS-3BL-C300-C400-M40/M50-L | Line 3    | Blue   |
| 750 A         | PFLS-EGN-C300M40-L           | Ground    | Green  |
|               | PFLS-NBK-C300M40-L           | Neutral   | Black  |
|               | PFLS-1R-C300M40-L            | Line 1    | Red    |
|               | PFLS-2Y-C300M40-L            | Line 2    | Yellow |
|               | PFLS-3BL-C300M40-L           | Line 3    | Blue   |
| 500 A         | PFLS-EGN-S150M40A-L          | Ground    | Green  |
|               | PFLS-NBK-S150M40A-L          | Neutral   | Black  |
|               | PFLS-1R-S150M40A-L           | Line 1    | Red    |
|               | PFLS-2Y-S150M40A-L           | Line 2    | Yellow |
|               | PFLS-3BL-S150M40A-L          | Line 3    | Blue   |
| 400 A         | PFLS-EGN-S120M40A-L          | Ground    | Green  |
|               | PFLS-NBK-S120M40A-L          | Neutral   | Black  |
|               | PFLS-1R-S120M40A-L           | Line 1    | Red    |
|               | PFLS-2Y-S120M40A-L           | Line 2    | Yellow |
|               | PFLS-3BL-S120M40A-L          | Line 3    | Blue   |

### Canadian Type



| Rated Current | Part No.                     | Cable No. | Color |
|---------------|------------------------------|-----------|-------|
| 800 A         | PFLS-EGN-C300-C400-M40/M50-L | Ground    | Green |
|               | PFLS-NW-C300-C400-M40/M50-L  | Neutral   | White |
|               | PFLS-1R-C300-C400-M40/M50-L  | Line 1    | Red   |
|               | PFLS-2BK-C300-C400-M40/M50-L | Line 2    | Black |
|               | PFLS-3BL-C300-C400-M40/M50-L | Line 3    | Blue  |
| 750 A         | PFLS-EGN-C300M40-L           | Ground    | Green |
|               | PFLS-NW-C300M40-L            | Neutral   | White |
|               | PFLS-1R-C300M40-L            | Line 1    | Red   |
|               | PFLS-2BK-C300M40-L           | Line 2    | Black |
|               | PFLS-3BL-C300M40-L           | Line 3    | Blue  |
| 500 A         | PFLS-EGN-S150M40A-L          | Ground    | Green |
|               | PFLS-NWS150M40 A-L           | Neutral   | White |
|               | PFLS-1R-S150M40A-L           | Line 1    | Red   |
|               | PFLS-2BK-S150M40 A-L         | Line 2    | Black |
|               | PFLS-3BL-S150M40A-L          | Line 3    | Blue  |
| 400 A         | PFLS-EGN-S120M40A-L          | Ground    | Green |
|               | PFLS-NW-S120M40 A-L          | Neutral   | White |
|               | PFLS-1R-S120M40A-L           | Line 1    | Red   |
|               | PFLS-2BK-S120M40 A-L         | Line 2    | Black |
|               | PFLS-3BL-S120M40A-L          | Line 3    | Blue  |

### US Type (LV)



| Rated Current | Part No.                     | Cable No. | Color |
|---------------|------------------------------|-----------|-------|
| 800 A         | PFLS-EGN-C300-C400-M40/M50-L | Ground    | Green |
|               | PFLS-NW-C300-C400-M40/M50-L  | Neutral   | White |
|               | PFLS-1BK-C300-C400-M40/M50-L | Line 1    | Black |
|               | PFLS-2R-C300-C400-M40/M50-L  | Line 2    | Red   |
|               | PFLS-3BL-C300-C400-M40/M50-L | Line 3    | Blue  |
| 750 A         | PFLS-EGN-C300M40-L           | Ground    | Green |
|               | PFLS-NW-C300M40-L            | Neutral   | White |
|               | PFLS-1BK-C300M40-L           | Line 1    | Black |
|               | PFLS-2R-C300M40-L            | Line 2    | Red   |
|               | PFLS-3BL-C300M40-L           | Line 3    | Blue  |
| 500 A         | PFLS-EGN-S150M40A-L          | Ground    | Green |
|               | PFLS-NW-S150M40A-L           | Neutral   | White |
|               | PFLS-1BK-S150M40A-L          | Line 1    | Black |
|               | PFLS-2R-S150M40A-L           | Line 2    | Red   |
|               | PFLS-3BL-S150M40A-L          | Line 3    | Blue  |
| 400 A         | PFLS-EGN-S120M40A-L          | Ground    | Green |
|               | PFLS-NW-S120M40A-L           | Neutral   | White |
|               | PFLS-1BK-S120M40A-L          | Line 1    | Black |
|               | PFLS-2R-S120M40A-L           | Line 2    | Red   |
|               | PFLS-3BL-S120M40A-L          | Line 3    | Blue  |

### US Type (HV)



| Rated Current | Part No.                     | Cable No. | Color  |
|---------------|------------------------------|-----------|--------|
| 800 A         | PFLS-EGN-C300-C400-M40/M50-L | Ground    | Green  |
|               | PFLS-NGY-C300-C400-M40/M50-L | Neutral   | Grey   |
|               | PFLS-1BN-C300-C400-M40/M50-L | Line 1    | Brown  |
|               | PFLS-2O-C300-C400-M40/M50-L  | Line 2    | Orange |
|               | PFLS-3Y-C300-C400-M40/M50-L  | Line 3    | Yellow |
| 750 A         | PFLS-EGN-C300M40-L           | Ground    | Green  |
|               | PFLS-NGY-C300M40-L           | Neutral   | Grey   |
|               | PFLS-1BN-C300M40-L           | Line 1    | Brown  |
|               | PFLS-2O-C300M40-L            | Line 2    | Orange |
|               | PFLS-3Y-C300M40-L            | Line 3    | Yellow |
| 500 A         | PFLS-EGN-S150M40A-L          | Ground    | Green  |
|               | PFLS-NGY-S150M40 A-L         | Neutral   | Grey   |
|               | PFLS-1BN-S150M40 A-L         | Line 1    | Brown  |
|               | PFLS-2O-S150M40 A-L          | Line 2    | Orange |
|               | PFLS-3Y-S150M40 A-L          | Line 3    | Yellow |
| 400 A         | PFLS-EGN-S120M40A-L          | Ground    | Green  |
|               | PFLS-NGY-S120M40 A-L         | Neutral   | Grey   |
|               | PFLS-1BN-S120M40 A-L         | Line 1    | Brown  |
|               | PFLS-2O-S120M40 A-L          | Line 2    | Orange |
|               | PFLS-3Y-S120M40 A-L          | Line 3    | Yellow |

⚠ Do not reuse the white cotter pin, as doing so may result in damage and expose you to the risk of electric shock. ⚠



## Panel Source (Locking Type)

### European Type



| Rated Current | Part No.      | Cable No. | Color |
|---------------|---------------|-----------|-------|
| 800 A         | PFPS-EGN-T8-L | Ground    | Green |
|               | PFPS-NBL-T8-L | Neutral   | Blue  |
|               | PFPS-1BN-T8-L | Line 1    | Brown |
|               | PFPS-2BK-T8-L | Line 2    | Black |
|               | PFPS-3GY-T8-L | Line 3    | Grey  |
| 750 A         | PFPS-EGN-T7-L | Ground    | Green |
|               | PFPS-NBL-T7-L | Neutral   | Blue  |
|               | PFPS-1BN-T7-L | Line 1    | Brown |
|               | PFPS-2BK-T7-L | Line 2    | Black |
|               | PFPS-3GY-T7-L | Line 3    | Grey  |
| 500 A         | PFPS-EGN-T5-L | Ground    | Green |
|               | PFPS-NBL-T5-L | Neutral   | Blue  |
|               | PFPS-1BN-T5-L | Line 1    | Brown |
|               | PFPS-2BK-T5-L | Line 2    | Black |
|               | PFPS-3GY-T5-L | Line 3    | Grey  |
| 400 A         | PFPS-EGN-L    | Ground    | Green |
|               | PFPS-NBL-L    | Neutral   | Blue  |
|               | PFPS-1BN-L    | Line 1    | Brown |
|               | PFPS-2BK-L    | Line 2    | Black |
|               | PFPS-3GY-L    | Line 3    | Grey  |

### Australian Type



| Rated Current | Part No.      | Cable No. | Color |
|---------------|---------------|-----------|-------|
| 800 A         | PFPS-EGN-T8-L | Ground    | Green |
|               | PFPS-NBK-T8-L | Neutral   | Black |
|               | PFPS-1R-T8-L  | Line 1    | Red   |
|               | PFPS-2W-T8-L  | Line 2    | White |
|               | PFPS-3BL-T8-L | Line 3    | Blue  |
| 750 A         | PFPS-EGN-T7-L | Ground    | Green |
|               | PFPS-NBK-T7-L | Neutral   | Black |
|               | PFPS-1R-T7-L  | Line 1    | Red   |
|               | PFPS-2W-T7-L  | Line 2    | White |
|               | PFPS-3BL-T7-L | Line 3    | Blue  |
| 500 A         | PFPS-EGN-T5-L | Ground    | Green |
|               | PFPS-NBK-T5-L | Neutral   | Black |
|               | PFPS-1R-T5-L  | Line 1    | Red   |
|               | PFPS-2W-T5-L  | Line 2    | White |
|               | PFPS-3BL-T5-L | Line 3    | Blue  |
| 400 A         | PFPS-EGN-L    | Ground    | Green |
|               | PFPS-NBK-L    | Neutral   | Black |
|               | PFPS-1R-L     | Line 1    | Red   |
|               | PFPS-2W-L     | Line 2    | White |
|               | PFPS-3BL-L    | Line 3    | Blue  |

### UK Type



| Rated Current | Part No.      | Cable No. | Color  |
|---------------|---------------|-----------|--------|
| 800 A         | PFPS-EGN-T8-L | Ground    | Green  |
|               | PFPS-NBK-T8-L | Neutral   | Black  |
|               | PFPS-1R-T8-L  | Line 1    | Red    |
|               | PFPS-2Y-T8-L  | Line 2    | Yellow |
|               | PFPS-3BL-T8-L | Line 3    | Blue   |
| 750 A         | PFPS-EGN-T7-L | Ground    | Green  |
|               | PFPS-NBK-T7-L | Neutral   | Black  |
|               | PFPS-1R-T7-L  | Line 1    | Red    |
|               | PFPS-2Y-T7-L  | Line 2    | Yellow |
|               | PFPS-3BL-T7-L | Line 3    | Blue   |
| 500 A         | PFPS-EGN-T5-L | Ground    | Green  |
|               | PFPS-NBK-T5-L | Neutral   | Black  |
|               | PFPS-1R-T5-L  | Line 1    | Red    |
|               | PFPS-2Y-T5-L  | Line 2    | Yellow |
|               | PFPS-3BL-T5-L | Line 3    | Blue   |
| 400 A         | PFPS-EGN-L    | Ground    | Green  |
|               | PFPS-NBK-L    | Neutral   | Black  |
|               | PFPS-1R-L     | Line 1    | Red    |
|               | PFPS-2Y-L     | Line 2    | Yellow |
|               | PFPS-3BL-L    | Line 3    | Blue   |

### Canadian Type



| Rated Current | Part No.      | Cable No. | Color |
|---------------|---------------|-----------|-------|
| 800 A         | PFPS-EGN-T8-L | Ground    | Green |
|               | PFPS-NW-T8-L  | Neutral   | White |
|               | PFPS-1R-T8-L  | Line 1    | Red   |
|               | PFPS-2BK-T8-L | Line 2    | Black |
|               | PFPS-3BL-T8-L | Line 3    | Blue  |
| 750 A         | PFPS-EGN-T7-L | Ground    | Green |
|               | PFPS-NW-T7-L  | Neutral   | White |
|               | PFPS-1R-T7-L  | Line 1    | Red   |
|               | PFPS-2BK-T7-L | Line 2    | Black |
|               | PFPS-3BL-T7-L | Line 3    | Blue  |
| 500 A         | PFPS-EGN-T5-L | Ground    | Green |
|               | PFPS-NW-T5-L  | Neutral   | White |
|               | PFPS-1R-T5-L  | Line 1    | Red   |
|               | PFPS-2BK-T5-L | Line 2    | Black |
|               | PFPS-3BL-T5-L | Line 3    | Blue  |
| 400 A         | PFPS-EGN-L    | Ground    | Green |
|               | PFPS-NW-L     | Neutral   | White |
|               | PFPS-1R-L     | Line 1    | Red   |
|               | PFPS-2BK-L    | Line 2    | Black |
|               | PFPS-3BL-L    | Line 3    | Blue  |

### US Type (LV)



| Rated Current | Part No.      | Cable No. | Color |
|---------------|---------------|-----------|-------|
| 800 A         | PFPS-EGN-T8-L | Ground    | Green |
|               | PFPS-NW-T8-L  | Neutral   | White |
|               | PFPS-1BK-T8-L | Line 1    | Black |
|               | PFPS-2R-T8-L  | Line 2    | Red   |
|               | PFPS-3BL-T8-L | Line 3    | Blue  |
| 750 A         | PFPS-EGN-T7-L | Ground    | Green |
|               | PFPS-NW-T7-L  | Neutral   | White |
|               | PFPS-1BK-T7-L | Line 1    | Black |
|               | PFPS-2R-T7-L  | Line 2    | Red   |
|               | PFPS-3BL-T7-L | Line 3    | Blue  |
| 500 A         | PFPS-EGN-T5-L | Ground    | Green |
|               | PFPS-NW-T5-L  | Neutral   | White |
|               | PFPS-1BK-T5-L | Line 1    | Black |
|               | PFPS-2R-T5-L  | Line 2    | Red   |
|               | PFPS-3BL-T5-L | Line 3    | Blue  |
| 400 A         | PFPS-EGN-L    | Ground    | Green |
|               | PFPS-NW-L     | Neutral   | White |
|               | PFPS-1BK-L    | Line 1    | Black |
|               | PFPS-2R-L     | Line 2    | Red   |
|               | PFPS-3BL-L    | Line 3    | Blue  |

### US Type (HV)



| Rated Current | Part No.      | Cable No. | Color  |
|---------------|---------------|-----------|--------|
| 800 A         | PFPS-EGN-T8-L | Ground    | Green  |
|               | PFPS-NGY-T8-L | Neutral   | Grey   |
|               | PFPS-1BN-T8-L | Line 1    | Brown  |
|               | PFPS-2O-T8-L  | Line 2    | Orange |
|               | PFPS-3Y-T8-L  | Line 3    | Yellow |
| 750 A         | PFPS-EGN-T7-L | Ground    | Green  |
|               | PFPS-NGY-T7-L | Neutral   | Grey   |
|               | PFPS-1BN-T7-L | Line 1    | Brown  |
|               | PFPS-2O-T7-L  | Line 2    | Orange |
|               | PFPS-3Y-T7-L  | Line 3    | Yellow |
| 500 A         | PFPS-EGN-T5-L | Ground    | Green  |
|               | PFPS-NGY-T5-L | Neutral   | Grey   |
|               | PFPS-1BN-T5-L | Line 1    | Brown  |
|               | PFPS-2O-T5-L  | Line 2    | Orange |
|               | PFPS-3Y-T5-L  | Line 3    | Yellow |
| 400 A         | PFPS-EGN-L    | Ground    | Green  |
|               | PFPS-NGY-L    | Neutral   | Grey   |
|               | PFPS-1BN-L    | Line 1    | Brown  |
|               | PFPS-2O-L     | Line 2    | Orange |
|               | PFPS-3Y-L     | Line 3    | Yellow |

⚠ Do not reuse the white cotter pin, as doing so may result in damage and expose you to the risk of electric shock. ⚠

PF-LOCK RELEASE KEY FOR POWERFIT LINE SOURCE & PANEL SOURCE (L TYPE).

POWERFIT quick-release locking connectors consist of a rotating locking ring and a plug body. They are easy to operate and quick to install. The locking ring secures and releases the connection, helping prevent accidental disconnection during use.



Connect / Disconnect

Align the male and female connectors, then insert fully to engage the lock.

Align the connectors using the arrows on their labels.



Line Source + Line Drain Connection



Line Source + Line Drain Connection

Caution: Wear gloves when handling to avoid oxidation of the silver-plated surface.

Use the PF-LOCK key to release the lock, then pull the connectors apart.



Line Source + Line Drain Connection



Line Source + Line Drain Connection

POWERFIT STANDARD CABLE GLAND

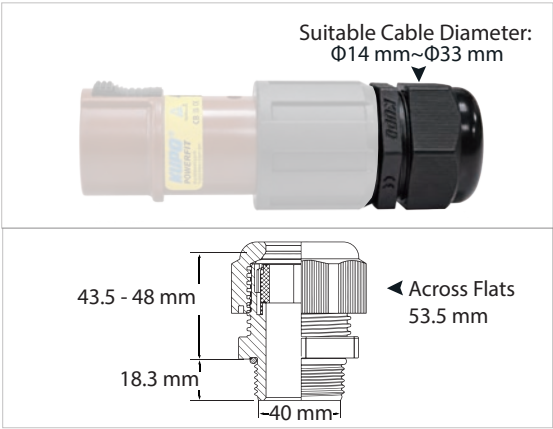
CG-M4015-32

400 A

500 A

750 A

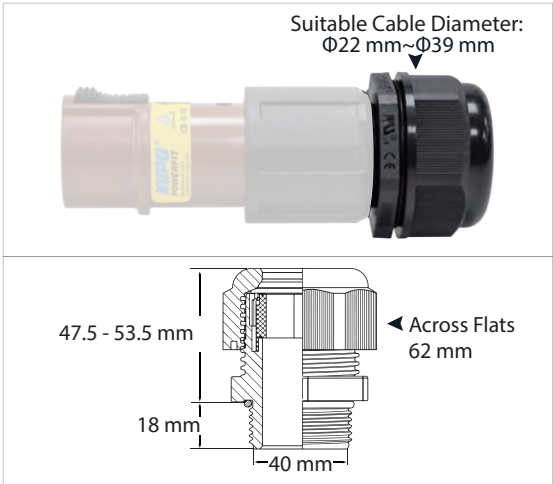
Material: PA66    Operating Temperature: -20 °C to 100 °C    Flammability Rating: UL 94 V-0



CG-M4015-X (39)

800 A

Material: PA66    Operating Temperature: -20 °C to 100 °C    Flammability Rating: UL 94 V-0

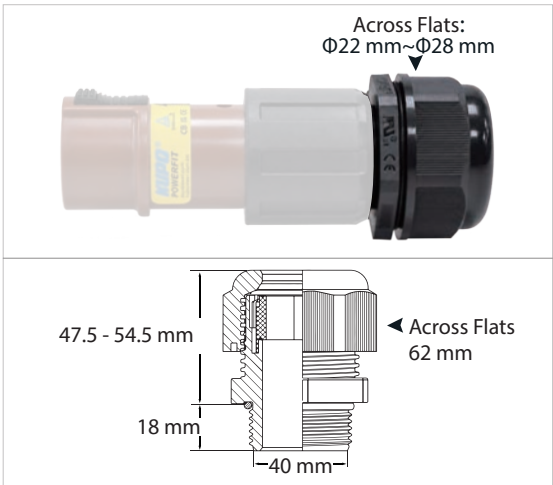


POWERFIT CABLE GLAND

Optional

CG-M4015-X (28)

Material: PA66    Operating Temperature: -20 °C to 100 °C    Flammability Rating: UL 94 V-0



POWERFIT COPPER WASHERS



| Part No.   | Applicable Products  | Material      | Thickness | Outer Diameter | Inner Diameter |
|------------|----------------------|---------------|-----------|----------------|----------------|
| PF-750S-T5 | POWERFIT 800 A 750 A | Copper Washer | 5 mm      | 24 mm          | 12 mm          |



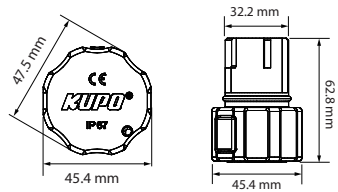
| Part No.   | Applicable Products  | Material     | Thickness | Outer Diameter | Inner Diameter |
|------------|----------------------|--------------|-----------|----------------|----------------|
| KL-400S-T5 | POWERFIT 400 A 500 A | Brass Washer | 5 mm      | 24 mm          | 13 mm          |

POWERFIT Dust Cover

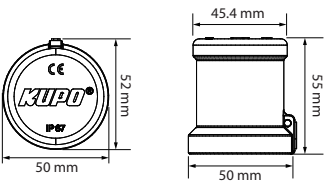
The POWERFIT dust cover is suitable for all POWERFIT connector models. Its transparent design allows quick identification of the connector type and color. A 10 cm steel retaining cable with an end fitting allows the cover to be secured to a power cabinet or enclosure. The cover installs without tools.



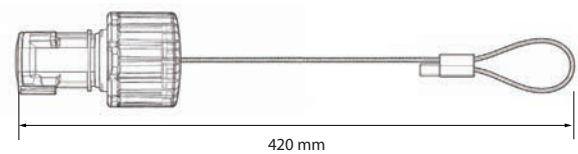
PF-DCT-M  
Transparent Dust Cover for Panel-Mount Source Male Connector (PC Material)



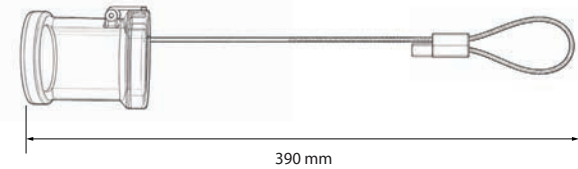
PF-DCT-F  
Transparent Dust Cover for Panel-Mount Drain Female Connector (PC Material)



PF-DCT-M-U-42  
Transparent Dust Cover for Inline Source Male Connector (PC Material)



PF-DCT-F-U-39  
Transparent Dust Cover for Inline Drain Female Connector (PC Material)



POWERFIT White Cotter Pins

Inline connectors use white cotter pins of different lengths: a short pin for the source connector and a long pin for the drain connector. Do not reuse the white cotter pins.



45 mm  
PF-PS-F  
Female  
Connector  
White Cotter Pin



44 mm  
PF-PS-M  
Male Connector  
White Cotter Pin



36 mm  
PF-PS-MF  
Male/Female Panel  
Mount Connector  
White Cotter Pin