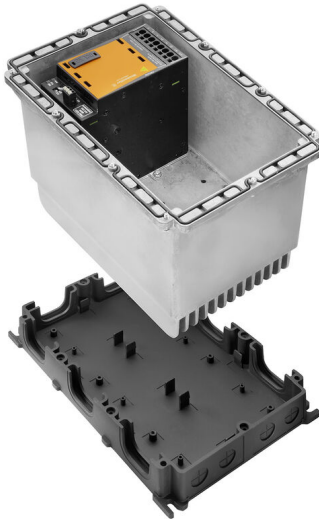


**FP PRO TOP3 48/10 3M****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

PROtop power supplies offer a wide range of functions with many advantages.

These include high energy efficiency, outstanding power reserves, high reliability and optional communication capability. PROtop also supports direct parallel connection with load balancing. With the possibility of integrating our PROtop power supplies into the FieldPower® system, the entire range of functions becomes available in the field – with all the advantages of the FieldPower® modular system.

**General ordering data**

|            |                                                                                                 |
|------------|-------------------------------------------------------------------------------------------------|
| Version    | FieldPower® power supply unit, IP65, in closed state, in complete state, 10A, 48 V, DC, PUSH IN |
| Order No.  | <a href="#">2887630000</a>                                                                      |
| Type       | FP PRO TOP3 48/10 3M                                                                            |
| GTIN (EAN) | 4064675859888                                                                                   |
| Qty.       | 1 items                                                                                         |

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## Technical data

## Approvals

|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

## Dimensions and weights

|            |        |                 |             |
|------------|--------|-----------------|-------------|
| Depth      | 220 mm | Depth (inches)  | 8.6614 inch |
| Height     | 196 mm | Height (inches) | 7.7165 inch |
| Width      | 196 mm | Width (inches)  | 7.7165 inch |
| Net weight | 5192 g |                 |             |

## Temperatures

|                             |                                           |                       |                |
|-----------------------------|-------------------------------------------|-----------------------|----------------|
| Storage temperature         | -40 °C...85 °C                            | Operating temperature | -25 °C...50 °C |
| Operating temperature range | -25...50 °C                               | Start-up              | ≥ -40 °C       |
| Humidity                    | 35...85%, non condensing and non freezing |                       |                |

## Environmental Product Compliance

|                                      |                                                                |
|--------------------------------------|----------------------------------------------------------------|
| RoHS Compliance Status               | Compliant with exemption                                       |
| RoHS Exemption (if applicable/known) | 6c                                                             |
| REACH SVHC                           | Lead 7439-92-1, Potassium perfluorobutane sulfonate 29420-49-3 |
| SCIP                                 | 7645f3b1-6db9-495d-9e21-ab1d894aff05                           |

## Input

|                        |                                                 |                          |                                              |
|------------------------|-------------------------------------------------|--------------------------|----------------------------------------------|
| AC input voltage range | 3 x 320...3 x 575 V AC / 2 x 360...2 x 575 V AC | Recommended back-up fuse | 3 - 5 A, Char C                              |
| Frequency range AC     | 45...65 Hz                                      | Wire connection method   | PUSH IN                                      |
| Surge protection       | Varistor                                        | Input fuse (internal)    | No                                           |
| AC current consumption | 1,5 A @ 400 V DC / 2 A @ 320 V AC               | DC input voltage range   | 450...800 V DC (max. 500 V DC acc. to UL508) |
| Inrush current         | Max. 10 A                                       |                          |                                              |

## Output

|                           |                                |                                 |               |
|---------------------------|--------------------------------|---------------------------------|---------------|
| Output power              | 480 W                          | Rated output voltage            | 48 V DC ± 1 % |
| Output voltage, max.      | 56 V                           | Output voltage, min.            | 45 V          |
| Output current, max.      | 10 A                           | Wire connection method          | PUSH IN       |
| Surge protection          | Varistor                       | Output voltage type             | DC            |
| Output voltage, note      | (adjustable via potentiometer) | Nominal output current for Unom | 10 A @ 60 °C  |
| Switch-on delay           | 1 s                            | Output current                  | 10A           |
| Rated current adjustable  | No                             | Output voltage                  | 48 V          |
| Triggering characteristic | see characteristic curve       |                                 |               |

## General data

|                          |                                          |                        |                                           |
|--------------------------|------------------------------------------|------------------------|-------------------------------------------|
| Installation advice      | Lid screws included                      | Humidity               | 35...85%, non condensing and non freezing |
| Protection degree        | IP65, in closed state, in complete state | Surge voltage category | III, II                                   |
| Short-circuit protection | Yes, internal                            |                        |                                           |

## Insulation coordination

|                        |         |
|------------------------|---------|
| Surge voltage category | III, II |
|------------------------|---------|

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## Technical data

## Input

|                        |                                                 |                          |                                              |
|------------------------|-------------------------------------------------|--------------------------|----------------------------------------------|
| AC input voltage range | 3 x 320...3 x 575 V AC / 2 x 360...2 x 575 V AC | Recommended back-up fuse | 3 - 5 A, Char C                              |
| Frequency range AC     | 45...65 Hz                                      | Surge protection         | Varistor                                     |
| AC current consumption | 1,5 A @ 400 V DC / 2 A @ 320 V AC               | DC input voltage range   | 450...800 V DC (max. 500 V DC acc. to UL508) |
| Inrush current         | Max. 10 A                                       | Input fuse (internal)    | No                                           |

## Output

|                      |                                |                                 |                          |
|----------------------|--------------------------------|---------------------------------|--------------------------|
| Output power         | 480 W                          | Output voltage, max.            | 56 V                     |
| Output voltage, min. | 45 V                           | Output voltage type             | DC                       |
| Output voltage, note | (adjustable via potentiometer) | Switch-on delay                 | 1 s                      |
| Output current       | 10A                            | Rated current adjustable        | No                       |
| Output voltage       | 48 V                           | Triggering characteristic       | see characteristic curve |
| Rated output voltage | 48 V DC $\pm$ 1 %              | Nominal output current for Unom | 10 A @ 60 °C             |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC002540    | ETIM 9.0    | EC002540    |
| ETIM 10.0   | EC002540    | ECLASS 14.0 | 27-04-07-01 |
| ECLASS 15.0 | 27-04-07-01 |             |             |

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## Drawings

