

**FP BOX DC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

The FieldPower® power distributors support error-free installation in an extremely short space of time. Branches and functions integrated in the cover can simply be plugged in. Robust with high protection degree.

**General ordering data**

|            |                            |
|------------|----------------------------|
| Order No.  | <a href="#">1440920000</a> |
| Type       | FP BOX DC                  |
| GTIN (EAN) | 4050118247084              |
| Qty.       | 1 pc(s).                   |

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 67 mm   | Depth (inches)  | 2.638 inch |
| Height     | 181 mm  | Height (inches) | 7.126 inch |
| Width      | 104 mm  | Width (inches)  | 4.094 inch |
| Net weight | 542.9 g |                 |            |

## Temperatures

|                     |                |                       |                |
|---------------------|----------------|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C | Operating temperature | -40 °C...55 °C |
|---------------------|----------------|-----------------------|----------------|

## Environmental Product Compliance

|            |                                                |      |                                 |
|------------|------------------------------------------------|------|---------------------------------|
| REACH SVHC | Potassium perfluorobutane sulfonate 29420-49-3 | SCIP | 5f19cd84-8946-4797-9386-3ac323b |
|------------|------------------------------------------------|------|---------------------------------|

## Clamping capacity, IDC connection - PT6

|                                                      |                     |                                                      |                   |
|------------------------------------------------------|---------------------|------------------------------------------------------|-------------------|
| Blade size                                           | 0.6 x 3.5 mm        | Connection cross-section, finely stranded, max.      | 6 mm <sup>2</sup> |
| Connection cross-section, finely stranded, min.      | 2.5 mm <sup>2</sup> | Connection cross-section, stranded, max.             | 6 mm <sup>2</sup> |
| Connection cross-section, stranded, min.             | 2.5 mm <sup>2</sup> | Wire connection cross section, finely stranded, max. | 6 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, min. | 2.5 mm <sup>2</sup> | Wire cross-section, solid, max.                      | 6 mm <sup>2</sup> |

## Clamping capacity, PUSH IN connection - PT6

|                                                                                                                                    |                     |                                                                                                                                    |                     |
|------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                                                                         | 0.6 x 3.5 mm        | Conductor cross-section, flexible AEH 12 mm plus plastic collar DIN 46228/4, rated connection, max.                                | 6 mm <sup>2</sup>   |
| Cross-section for connected wire PUSH IN connection, solid, min.                                                                   | 0.5 mm <sup>2</sup> | Cross-section for connected wire, PUSH IN connection, solid, max.                                                                  | 6 mm <sup>2</sup>   |
| Cross-section for connected wire, flexible with wire-end ferrules, 12mm with plastic collar, DIN 46228/1, PUSH IN connection, min. | 0.5 mm <sup>2</sup> | Cross-section for connected wire, flexible with wire-end ferrules, 12mm with plastic collar, DIN 46228/4, PUSH IN connection, max. | 4 mm <sup>2</sup>   |
| Cross-section for connected wire, flexible with wire-end ferrules, 12mm with plastic collar, DIN 46228/4, PUSH IN connection, min. | 0.5 mm <sup>2</sup> | Cross-section for connected wire, flexible with wire-end ferrules, 8mm with plastic collar, DIN 46228/1, PUSH IN connection, max.  | 6 mm <sup>2</sup>   |
| Cross-section for connected wire, flexible with wire-end ferrules, 8mm with plastic collar, DIN 46228/1, PUSH IN connection, min.  | 0.5 mm <sup>2</sup> | Cross-section for connected wire, flexible with wire-end ferrules, 8mm with plastic collar, DIN 46228/4, PUSH IN connection, max.  | 4 mm <sup>2</sup>   |
| Cross-section for connected wire, flexible with wire-end ferrules, 8mm with plastic collar, DIN 46228/4, PUSH IN connection, min.  | 0.5 mm <sup>2</sup> | Cross-section for connected wire, flexible, PUSH IN connection, max.                                                               | 10 mm <sup>2</sup>  |
| Cross-section for connected wire, flexible, PUSH IN connection, min.                                                               | 0.5 mm <sup>2</sup> | Finely-stranded flexible, max. PUSH IN connection                                                                                  | 6 mm <sup>2</sup>   |
| Finely-stranded flexible, min. PUSH IN connection                                                                                  | 0.5 mm <sup>2</sup> | Stripping length, PUSH IN connection                                                                                               | 14 mm               |
| Wire connection cross section, stranded, PUSH IN connection, max.                                                                  | 6 mm <sup>2</sup>   | Wire connection cross section, stranded, PUSH IN connection, min.                                                                  | 0.5 mm <sup>2</sup> |

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## Technical data

## General information #96 connectors

|                        |                       |                              |     |
|------------------------|-----------------------|------------------------------|-----|
| Can be coded           | Yes, Coded on PE      | Number of connections / pole | 1   |
| Type of mounting       | Screw mounting        | UL 94 flammability rating    | 5VA |
| Wire connection method | IDC terminal, PUSH IN | lockable                     | No  |

## General data

|                     |                  |                           |                                       |
|---------------------|------------------|---------------------------|---------------------------------------|
| Can be coded        | Yes, Coded on PE | Material                  | Polycarbonate, glass fibre reinforced |
| Protection degree   | IP65             | Silicone                  | No                                    |
| Insulating material | Polycarbonate    | UL 94 flammability rating | 5VA                                   |

## Dimensions of box

|        |        |       |        |
|--------|--------|-------|--------|
| Height | 181 mm | Width | 104 mm |
|--------|--------|-------|--------|

## Rated data acc. to IEC

|                                 |                                    |               |       |
|---------------------------------|------------------------------------|---------------|-------|
| Rated cross-section             | 6 mm <sup>2</sup>                  | Rated current | 25 A  |
| Rated impulse withstand voltage | 8 kV                               | Rated voltage | 800 V |
| Standards                       | DIN EN 60947-7-1, DIN EN 60947-7-2 |               |       |

## Rated data acc. to UL

|           |                                    |  |  |
|-----------|------------------------------------|--|--|
| Standards | DIN EN 60947-7-1, DIN EN 60947-7-2 |  |  |
|-----------|------------------------------------|--|--|

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000214    | ETIM 7.0    | EC000214    |
| ETIM 8.0    | EC000214    | ECLASS 9.0  | 27-14-24-09 |
| ECLASS 9.1  | 27-14-24-09 | ECLASS 10.0 | 27-14-24-09 |
| ECLASS 11.0 | 27-14-24-09 | ECLASS 12.0 | 27-14-24-09 |

## Approvals

Approvals



ROHS

Conform

## Downloads

|                                             |                                                                                                                                                                                                                                                                                          |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Manufacturer's Declaration FieldPower® BOX, BOX FUSE and Terminal variants</a>                                                                                                                                                                                               |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                                                                                                                                                                          |
| Product Change Notification                 | <a href="#">Product Change Notification FieldPower® box base</a><br><a href="#">Produktänderungsmitteilung FieldPower® Box Unterschale</a><br><a href="#">Produktänderungsmitteilung FieldPower® Box Schrauben</a><br><a href="#">Product Change Notification FieldPower® box screws</a> |
| User Documentation                          | <a href="#">Manual FieldPower® Box</a>                                                                                                                                                                                                                                                   |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                                                                                                 |

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## Drawings

### Drilling template

