

**PTS 4****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Power distribution using uncut cables with cross-sections from 1.5 to 6 mm<sup>2</sup>.

Power supply / T-branch tap via PUSH IN connection (0.5 to 10 mm<sup>2</sup>) and/or plug-in connection (0.5 to 4 mm<sup>2</sup>).

Coloured markings provide clear assignment of wires.

- Power supply
- Power distribution
- Power branching

**General ordering data**

|            |   |
|------------|---|
| Version    | Field Power® plug-in connector, 3-phase AC, IP20, Polyamide, PUSH IN, Number of poles : 5 |
| Order No.  | <a href="#">1952120000</a>  |
| Type       | PTS 4   |
| GTIN (EAN) | 4032248632909   |
| Qty.       | 10 pc(s).   |

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## Technical data

## Dimensions and weights

|            |          |                 |            |
|------------|----------|-----------------|------------|
| Depth      | 36.15 mm | Depth (inches)  | 1.423 inch |
| Height     | 27.3 mm  | Height (inches) | 1.075 inch |
| Width      | 55.45 mm | Width (inches)  | 2.183 inch |
| Net weight | 34.3 g   |                 |            |

## Temperatures

|                     |                |                       |                |
|---------------------|----------------|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C | Operating temperature | -40 °C...80 °C |
|---------------------|----------------|-----------------------|----------------|

## Approbations

|                         |        |                   |       |
|-------------------------|--------|-------------------|-------|
| Certificate No. (cURus) | E60693 | Institute (cURus) | CURUS |
|-------------------------|--------|-------------------|-------|

## Clamping capacity, PUSH IN connection

|  |                     |  |                     |
|--|---------------------|--|---------------------|
| Blade size, PUSH IN connection   | 3.0 x 0.5 mm        | Clamping range, max. PUSH IN connection  | 4 mm <sup>2</sup>   |
| Clamping range, min. PUSH IN connection  | 0.5 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.  | 4 mm <sup>2</sup>   | Cross-section for connected wire, flexible with wire-end ferrules, 12mm with plastic collar, DIN 46228/1, PUSH IN connection, max. | 4 mm <sup>2</sup>   |
| Cross-section for connected wire, flexible with wire-end ferrules, 12mm with plastic collar, DIN 46228/1, 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.  | 4 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.   | 4 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  | 4 mm <sup>2</sup>   |
| Finely-stranded flexible, min. PUSH IN connection  | 0.5 mm <sup>2</sup> | Stripping length, PUSH IN connection   | 12 mm               |
| Wire connection cross section, stranded, PUSH IN connection, max.  | 4 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

## Clamping capacity

## Connection data - plug-in connector

|   |                          |                           |
|---|--------------------------|---------------------------|
| Wire connection method                                    | PUSH IN                  |                           |
| Blade size of operating tool                              | 3.0 x 0.5 mm             |                           |
| Stripping length  | 12 mm                    |                           |
| Number of poles   | 5                        |                           |
| Conductor connection cross-section, solid, max.           | 4 mm <sup>2</sup>        |                           |
| Conductor connection cross-section, solid, min.           | 0.5 mm <sup>2</sup>      |                           |
| Conductor connection cross-section, stranded, max.        | 4 mm <sup>2</sup>        |                           |
| Conductor connection cross-section, stranded, min.        | 0.5 mm <sup>2</sup>      |                           |
| Conductor connection cross-section, finely stranded, max. | 4 mm <sup>2</sup>        |                           |
| Conductor connection cross-section, finely stranded, min. | 0.5 mm <sup>2</sup>      |                           |
| Conductor connection cross-section, finest stranded, max. | 4 mm <sup>2</sup>        |                           |
| Conductor connection cross-section, finest stranded, min. | 0.5 mm <sup>2</sup>      |                           |
| Conductor connection cross-section with wire end ferrule  | Type of wire end ferrule | 12 mm with plastic collar |
|   | Standard                 | DIN 46228/1               |
|   | Cross-section, min.      | 0.5 mm <sup>2</sup>       |
|   | Cross-section, max.      | 4 mm <sup>2</sup>         |
|   | Type of wire end ferrule | 12 mm with plastic collar |
|   | Standard                 | DIN 46228/4               |
|   | Cross-section, min.      | 0.5 mm <sup>2</sup>       |
|   | Cross-section, max.      | 4 mm <sup>2</sup>         |
|   | Type of wire end ferrule | 8 mm with plastic collar  |
|   | Standard                 | DIN 46228/1               |
|   | Cross-section, min.      | 0.5 mm <sup>2</sup>       |
|   | Cross-section, max.      | 4 mm <sup>2</sup>         |
|   | Type of wire end ferrule | 8 mm with plastic collar  |
|   | Standard                 | DIN 46228/4               |
|   | Cross-section, min.      | 0.5 mm <sup>2</sup>       |
|   | Cross-section, max.      | 4 mm <sup>2</sup>         |
|   | Type of wire end ferrule | Twin wire-end ferrules    |
|   | Cross-section, min.      | 0.5 mm <sup>2</sup>       |
|   | Cross-section, max.      | 4 mm <sup>2</sup>         |

## General data

|                              |                  |                        |         |
|------------------------------|------------------|------------------------|---------|
| Insulating material          | Polyamide        | Silicone               | No      |
| Colour                       | black            | Protection degree      | IP20    |
| UL 94 flammability rating    | V-0              | Type of mounting       | Plugged |
| Can be coded                 | Yes, Coded on PE | Test point             | 2 mm    |
| Voltage type                 | 3-phase AC       | Number of poles        | 5       |
| Number of connections / pole | 1                | Wire connection method | PUSH IN |
| Conductor outlet direction   | 90°              |                        |         |

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## Technical data

## Rated data acc. to IEC

|  |                                 |   |
|--|---------------------------------|---|
| Rated data acc. to IEC for plug-in connector | Voltage type                    | AC                                      |
|  | Number of phases                | 3                                       |
|  | Standard                        | IEC 60947-7-1, IEC 60947-7-2, IEC 61984 |
|  | Rated voltage                   | 690 V                                   |
|  | Rated impulse withstand voltage | 8 kV                                    |
|  | Rated current (3 loaded poles)  | 32 A                                    |
|  | Rated current (4 loaded poles)  | 25 A                                    |

## Rated data acc. to UL

|   |   |                                     |
|---|---|-------------------------------------|
| Rated data acc. to UL for plug-in connector | Standard                                      | UL 1059                             |
|   | Note  | for use with UL-listed TC-ER cables |
|   | Conductor connection cross-section, AWG, max. | AWG 12                              |
|   | Conductor connection cross-section, AWG, min. | AWG 16                              |
|   | Rated voltage                                 | 600 V                               |
|   | Rated current                                 | 20 A                                |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002943    | ETIM 7.0    | EC002943    |
| ETIM 8.0    | EC002943    | ETIM 9.0    | EC002943    |
| ECLASS 9.0  | 27-44-02-92 | ECLASS 9.1  | 27-44-03-90 |
| ECLASS 10.0 | 27-44-02-92 | ECLASS 11.0 | 27-44-02-92 |
| ECLASS 12.0 | 27-44-02-92 | ECLASS 13.0 | 27-44-02-92 |

## Approvals

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | E60693     |

## Downloads

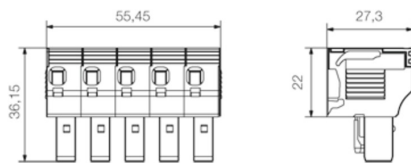
|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">UL Certificate FieldPower® Box and accessories</a><br><a href="#">UL Certificate FieldPower® terminals and plug-in connectors</a><br><a href="#">Manufacturer's Declaration FieldPower® plug-in connectors and HQ adapters</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>  |
| User Documentation                          | <a href="#">Manual FieldPower® PTS 4 and PTDS 4</a>  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>   |

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## Drawings



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## Accessories

## Tools

Sheathing stripper for PVC cables



## General ordering data

|            |                            |                            |
|------------|----------------------------|----------------------------|
| Type       | AM 16                      | Version                    |
| Order No.  | <a href="#">9204190000</a> | Tools, Sheathing strippers |
| GTIN (EAN) | 4032248608133              |                            |
| Qty.       | 1 pc(s).                   |                            |
| Type       | AM 25                      | Version                    |
| Order No.  | <a href="#">9001540000</a> | Tools, Sheathing strippers |
| GTIN (EAN) | 4008190138271              |                            |
| Qty.       | 1 pc(s).                   |                            |

## Blank



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | WS 12/6 MC NE WS           | Version  |
| Order No.  | <a href="#">1609900000</a> | WS, Terminal marker, 12 x 6 mm, Pitch in mm (P): 6.00 Weidmueller, |
| GTIN (EAN) | 4008190203467              | Allen-Bradley, white   |
| Qty.       | 600 pc(s).                 |  |

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## Accessories

## Locking elements



The plugs can be securely and easily fixed to the base terminal by using a locking element. The locking element avoids an unintentional disconnection of the plugs from the base terminal and ensures maximum safety.

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | ZVR ZP2.5                  | Version                                 |
| Order No.  | <a href="#">1816130000</a> | Z-series, Locking clips, yellow, 3.9 mm |
| GTIN (EAN) | 4032248370702              |   |
| Qty.       | 25 pc(s).                  |   |

## Slotted screwdriver



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | SDS 0.5X3.0X80             | Version  |
| Order No.  | <a href="#">2749330000</a> | Screwdriver, Blade width (B): 3 mm, Blade length: 80 mm, Blade |
| GTIN (EAN) | 4050118895551              | thickness (A): 0.5 mm  |
| Qty.       | 1 pc(s).                   |  |