

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com





Power distribution using uncut cables with cross-sections from 1.5 to 6 mm².

Power supply / T-branch tap via PUSH IN connection (0.5 to 10 mm²) and/or plug-in connection (0.5 to 4 mm²). Coloured markings provide clear assignment of wires.

- Power supply
- Power distribution
- Power branching

General ordering data

| Version | FieldPower®, Field Power® plug-in connector, PUSH IN, 0.5 mm ² - 4 mm ² |
|------------|--|
| Order No. | <u>1952120000</u> |
| Туре | PTS 4 |
| GTIN (EAN) | 4032248632909 |
| Qty. | 10 pc(s). |



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Technical data

Dimensions and weights

| Difficitations 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 | | | |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |
| Approvals | | | |
| Certificate No. (cURus) | E60693 | Institute (cURus) | CURUS |
| Clamping capacity, IDC con | nection - PT6 | | |
| Blade size | | Connection cross-section, finely | |
| | 3.0 x 0.5 mm | stranded, max. | 4 mm ² |
| Connection cross-section, finely stranded, min. | 0.5 mm² | Wire connection cross section, finely stranded, max. | 4 mm² |
| Wire connection cross section, finely stranded, min. | 0.5 mm² | Wire cross-section, finely stranded, tw clampable wires, max. | vo 4 mm² |
| Wire cross-section, solid, max. | 4 mm² | Wire cross-section, solid, min. | 0.5 mm ² |



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Clamping capacity, PUSH IN connection - PT6

| Blade size | 3.0 x 0.5 mm | Blade size, PUSH IN connection | 3.0 x 0.5 mm |
|--|---------------------|--|---|
| Conductor cross-section, flexible AEH | | Conductor cross-section, flexible AEH | |
| 12 mm plus plastic collar DIN 46228/1 | | 12 mm plus plastic collar DIN 46228/4 | |
| rated connection, min. | 0.5 mm ² | rated connection, max. | 4 mm ² |
| Conductor cross-section, flexible AEH | | Conductor cross-section, flexible AEH | |
| 12 mm plus plastic collar DIN 46228/4 | | 8 mm plus plastic collar DIN 46228/1, | |
| rated connection, min. | 0.5 mm ² | rated connection, max. | 4 mm ² |
| Conductor cross-section, flexible AEH | | Conductor cross-section, flexible AEH | |
| 8 mm plus plastic collar DIN 46228/1, | | 8 mm plus plastic collar DIN 46228/4, | |
| rated connection, min. | 0.5 mm ² | rated connection, max. | 4 mm ² |
| Conductor cross-section, flexible AEH | | Cross-section for connected wire PUSH | |
| 8 mm plus plastic collar DIN 46228/4, | | IN connection, solid, min. | |
| rated connection, min. | 0.5 mm ² | | 0.5 mm ² |
| Cross-section for connected wire, PUSH | | Cross-section for connected wire, flexible | е |
| IN connection, solid, max. | | with wire-end ferrules, 12mm with | |
| | | plastic collar, DIN 46228/1, PUSH IN | |
| | 4 mm ² | connection, max. | 4 mm ² |
| Cross-section for connected wire, flexible | e | Cross-section for connected wire, flexible | е |
| with wire-end ferrules, 12mm with | | with wire-end ferrules, 12mm with | |
| plastic collar, DIN 46228/1, PUSH IN | 0.5 | plastic collar, DIN 46228/4, PUSH IN | 4 |
| connection, min. | 0.5 mm ² | connection, max. | 4 mm ² |
| Cross-section for connected wire, flexible | e | Cross-section for connected wire, flexible | е |
| with wire-end ferrules, 12mm with | | with wire-end ferrules, 8mm with | |
| plastic collar, DIN 46228/4, PUSH IN | 0.5 | plastic collar, DIN 46228/1, PUSH IN | 4 2 |
| connection, min. | 0.5 mm ² | connection, max. | 4 mm ² |
| Cross-section for connected wire, flexibl | e | Cross-section for connected wire, flexible | е |
| with wire-end ferrules, 8mm with | | with wire-end ferrules, 8mm with | |
| plastic collar, DIN 46228/1, PUSH IN | 0.5 | plastic collar, DIN 46228/4, PUSH IN | 4 3 |
| connection, min. | 0.5 mm ² | connection, max. | 4 mm ² |
| Cross-section for connected wire, flexibl | е | Cross-section for connected wire, | |
| with wire-end ferrules, 8mm with | | flexible, PUSH IN connection, max. | |
| plastic collar, DIN 46228/4, PUSH IN | 0.5 mm ² | | 43 |
| connection, min. | บ.อ เมเกาะ | | 4 mm ² |
| Cross-section for connected wire, | 0.5 | Cross-section for connected wire, | 0.5 |
| flexible, PUSH IN connection, min. | 0.5 mm ² | stranded, two clampable wires, max. | 0.5 mm ² |
| Cross-section for connected wire, | 4 2 | Finely-stranded flexible, max. PUSH IN | 4 2 |
| stranded, two clampable wires, min. | 4 mm ² | connection | 4 mm ² |
| Finely-stranded flexible, min. PUSH IN | 0.5 | Stripping length | 10 |
| connection | 0.5 mm ² | | 12 mm |
| Stripping length, PUSH IN connection | | Wire connection cross section, stranded | * · · · · · · · · · · · · · · · · · · · |
| | 12 mm | PUSH IN connection, max. | 4 mm ² |
| Wire connection cross section, stranded | • • | | |
| PUSH IN connection, min. | 0.5 mm ² | | |



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Clamping capacity, PUSH IN connection

| Blade size, PUSH IN connection | | Clamping range, max. PUSH IN | |
|--|---------------------|--|---------------------|
| | 3.0 x 0.5 mm | connection | 4 mm ² |
| Clamping range, min. PUSH IN | | Cross-section for connected wire PUSH | |
| connection | 0.5 mm ² | IN connection, solid, min. | 0.5 mm ² |
| Cross-section for connected wire, PUSH | | Cross-section for connected wire, flexible | е |
| IN connection, solid, max. | | with wire-end ferrules, 12mm with | |
| | • | plastic collar, DIN 46228/1, PUSH IN | |
| | 4 mm ² | connection, max. | 4 mm ² |
| Cross-section for connected wire, flexib | е | Cross-section for connected wire, flexible | е |
| with wire-end ferrules, 12mm with | | with wire-end ferrules, 12mm with | |
| plastic collar, DIN 46228/1, PUSH IN | 0.5 | plastic collar, DIN 46228/4, PUSH IN | 4 0 |
| connection, min. | 0.5 mm ² | connection, max. | 4 mm ² |
| Cross-section for connected wire, flexib | е | Cross-section for connected wire, flexible | 9 |
| with wire-end ferrules, 12mm with | | with wire-end ferrules, 8mm with | |
| plastic collar, DIN 46228/4, PUSH IN | | plastic collar, DIN 46228/1, PUSH IN | |
| connection, min. | 0.5 mm ² | connection, max. | 4 mm ² |
| Cross-section for connected wire, flexib | е | Cross-section for connected wire, flexible | Э |
| with wire-end ferrules, 8mm with | | with wire-end ferrules, 8mm with | |
| plastic collar, DIN 46228/1, PUSH IN | 0.5 | plastic collar, DIN 46228/4, PUSH IN | 4 0 |
| connection, min. | 0.5 mm ² | connection, max. | 4 mm ² |
| Cross-section for connected wire, flexib | е | Cross-section for connected wire, | |
| with wire-end ferrules, 8mm with | | flexible, PUSH IN connection, max. | |
| plastic collar, DIN 46228/4, PUSH IN | 0.5 | | 4 2 |
| connection, min. | 0.5 mm ² | | 4 mm ² |
| Cross-section for connected wire, | 0.5 | Finely-stranded flexible, max. PUSH IN | 4 0 |
| flexible, PUSH IN connection, min. | 0.5 mm ² | connection | 4 mm ² |
| Finely-stranded flexible, min. PUSH IN | | Stripping length, PUSH IN connection | |
| connection | 0.5 mm ² | | 12 mm |
| Wire connection cross section, stranded | d, | Wire connection cross section, stranded | • |
| PUSH IN connection, max. | 4 mm ² | PUSH IN connection, min. | 0.5 mm ² |

| Can be coded | Yes, Coded on PE | Colour of insulating material | black |
|----------------------------------|------------------|----------------------------------|--------|
| Conductor outlet direction | 90° | Continuous operating temp., max. | 120 °C |
| Continuous operating temp., min. | -50 °C | Number of connections / pole | 1 |
| Plug insulation material | PA | Test point | 2 mm |
| Type of mounting | Plugged | UL 94 flammability rating | V-0 |
| Wire connection method | PUSH IN | lockable | Yes |

General data

| Can be coded | Yes, Coded on PE | Insulating material | PA | |
|---------------------------|------------------|---------------------|----|--|
| UL 94 flammability rating | V-0 | | | |

Rated data acc. to IEC

| Rated cross-section | 4 mm ² | Rated current | 32 A | |
|---------------------------------|------------------------|---------------|-------|--|
| Rated impulse withstand voltage | 8 kV | Rated voltage | 690 V | |
| Standards | UL 1059, IEC 60947-7-1 | | | |

Rated data acc. to UL

| Rated current (Use group D / UL 10 | 059) 20 A | Rated voltage (Use gro | oup D / UL 1059) 600 V |
|------------------------------------|------------------------|------------------------|------------------------|
| Standards | | Wire connection cross | s section AWG, |
| | UL 1059, IEC 60947-7-1 | max. | AWG 12 |
| Wire connection cross section AW | G, | | |
| min. | AWG 16 | | |

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Classifications

| ETIM 6.0 | EC002943 | ETIM 7.0 | EC002943 |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | 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 | | |

Approvals

Approvals C S US US

| ROHS | Conform |
|-----------------------|---------|
| UL File Number Search | E60693 |

Downloads

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



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Drawings





