

W-Series
WPE 70N/35

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Product image**Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

| | |
|------------|--|
| Type | WPE 70N/35 |
| Order No. | 9512200000 |
| Version | PE terminal, Screw connection, 70 mm ² , 8400 A (70 mm ²), green / yellow |
| GTIN (EAN) | 4008190403881 |
| Qty. | 10 pc(s). |

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Technical data
Dimensions and weights

| | | | |
|--------------------------|---------|-----------------|------------|
| Width | 20.5 mm | Width (inches) | 0.807 inch |
| Height | 75 mm | Height (inches) | 2.953 inch |
| Depth | 85 mm | Depth (inches) | 3.346 inch |
| Depth including DIN rail | 86 mm | Net weight | 185.633 g |

Temperatures

| | | | |
|----------------------------------|--------|----------------------------------|--------|
| Continuous operating temp., min. | -60 °C | Continuous operating temp., max. | 130 °C |
|----------------------------------|--------|----------------------------------|--------|

Environmental Product Compliance

| | |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

Material data

| | | | |
|---------------------------|-------|--------|----------------|
| Material | Wemid | Colour | green / yellow |
| UL 94 flammability rating | V-0 | | |

Rating data IECEx/ATEX

| | | | |
|--------------------------------|---|---------------------------------|--------------------|
| Certificate No. (ATEX) | DEMKO14ATEX1338U | Certificate No. (IECEX) | IECEXULD14.0005U |
| Wire cross section max. (ATEX) | 70 mm ² | Wire cross section max. (IECEX) | 70 mm ² |
| Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Marking EN 60079-7 | |
| Ex 2014/34/EU label | II 2 G D | | Ex eb II C Gb |

System specifications

| | | | |
|--|--|------------------------------------|----------|
| Version | Screw connection, With PE connection, closed | Tightening torque (mounting screw) | 2...4 Nm |
| Tightening torque (clamping screw for copper conductors) | 8...12 Nm | End cover plate required | No |
| Number of potentials | 1 | Number of levels | 1 |
| No. of clamping points per level | 2 | Number of potentials per tier | 1 |
| Levels cross-connected internally | No | PE connection | Yes |
| Mounting rail | TS 35 | N-function | No |
| PE function | Yes | PEN function | Yes |

Additional technical data

| | | | |
|--------------------------|------------------|-----------------------------|---------|
| Explosion-tested version | Yes | Installation advice | Screwed |
| Interlock | for screw fixing | Number of similar terminals | 1 |
| Open sides | closed | Type of mounting | Screwed |

CSA rating data

| | | | |
|-------------------------------|----------------|-------------------------------|-------|
| Certificate No. (CSA) | 200039-1581431 | Wire cross section max. (CSA) | 0 AWG |
| Wire cross section min. (CSA) | 6 AWG | | |

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Technical data**Conductors for clamping (rated connection)**

| | | | |
|---|--------------------|---|--------------------|
| Blade size | S6 (DIN 6911) | Clamping range, max. | 95 mm ² |
| Clamping range, min. | 16 mm ² | Clamping screw | M 8 |
| Connection cross-section, stranded, max. | 95 mm ² | Connection cross-section, stranded, min. | 16 mm ² |
| Connection direction | on side | Gauge to IEC 60947-1 | B11 |
| Number of connections | 2 | Stripping length | 22 mm |
| Tightening torque, max. | 12 Nm | Tightening torque, min. | 8 Nm |
| Type of connection | Screw connection | Wire connection cross section AWG, max. | AWG 2/0 |
| Wire connection cross section AWG, min. | AWG 6 | Wire connection cross section, finely stranded, max. | 70 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 70 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 16 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 50 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 16 mm ² |
| Wire connection cross-section, finely stranded, min. | 16 mm ² | Wire connection cross-section, solid core, max. | 16 mm ² |
| Wire connection cross-section, solid core, min. | 16 mm ² | | |

PE rating data

| | | | |
|--|------------------------------|------------------------------|-----|
| Rated short-time current | 8400 A (70 mm ²) | Centre screw on PE terminals | M 5 |
| Tightening torque range for fixing screw | 2.0...4.0 Nm | PEN function | Yes |

Rating data

| | | | |
|--|--------------------|--|---------|
| Rated cross-section | 70 mm ² | Rated voltage to adjoining terminal | 1,000 V |
| Standards | IEC 60947-7-2 | Volume resistance according to IEC 60947-7-x | 0.17 mΩ |
| Rated impulse withstand voltage to adjacent terminal | 8 kV | Pollution severity | 3 |

UL rating data

| | | | |
|--|--------|--|-------|
| Certificate No. (cURus) | E60693 | Conductor size Factory wiring max. (cURus) | 0 AWG |
| Conductor size Factory wiring min. (cURus) | 6 AWG | Conductor size Field wiring max. (cURus) | 0 AWG |
| Conductor size Field wiring min. (cURus) | 6 AWG | | |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 3.0 | EC000901 | ETIM 4.0 | EC000491 |
| ETIM 5.0 | EC000491 | ETIM 6.0 | EC000901 |
| UNSPSC | 30-21-18-11 | eClass 5.1 | 27-14-03-05 |
| eClass 6.2 | 27-14-03-05 | eClass 7.1 | 27-14-03-05 |
| eClass 8.1 | 27-14-11-41 | eClass 9.0 | 27-14-11-41 |
| eClass 9.1 | 27-14-11-41 | | |

Product information

| | |
|---------------------------------|---|
| Descriptive text technical data | For 50 - 95 mm ² , the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used. |
| Instructions for accessories | Rail holder for protective isolation Installation of the mounting rail "SH 2" Order no. 0494920000 (qty. 10). |

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Catalogue status 07.12.2018 / We reserve the right to make technical changes.

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Data sheet

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Technical data

Approvals

Approvals



ROHS Conform

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | CFAT_WPE 70N_35.pdf IECEXULD14.0005U_e.pdf DE_PT1002_20160414_263_ISSUE01.pdf ACF-ATEX_4786180920 |
| Brochure/Catalogue | CAT 1 TERM 16/17 EN |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| Engineering Data | STEP |
| User Documentation | NTI_IECEX_WDU-WPE 70N_35.pdf |

Safety note

Safety notice [Safety Information](#)

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Drawings

