

W-Series
WDU 70N/35

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Product image**Power feed-in**

Our wide range of W-Series terminal blocks with our WPD main line branch terminals, which are optimised to guarantee both convenience and space gains, ensures a secure and convenient connection at the power feed-in.

General ordering data

| | |
|------------|---|
| Type | WDU 70N/35 |
| Order No. | 9512190000 |
| Version | Feed-through terminal, Screw connection, 70 mm ² , 1000 V, 192 A, dark beige |
| GTIN (EAN) | 4008190403874 |
| Qty. | 10 pc(s). |

Creation date July 8, 2020 8:08:26 AM CEST

Catalogue status 08.07.2020 / We reserve the right to make technical changes.

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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 | Weight | 130.8 g |
| Net weight | 119.233 g | | |

Temperatures

| | | | |
|----------------------------------|---|----------------------------------|---------------|
| Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Storage temperature, max. | 40 °C |
| Storage temperature, min. | 10 °C | Storage temperature | 10 °C...40 °C |
| Continuous operating temp., min. | -60 °C | Continuous operating temp., max. | 130 °C |

Material data

| | | | |
|---------------------------|-------|--------|------------|
| Material | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0 | | |

Rating data IECEx/ATEX

| | | | |
|--------------------------------|---|---------------------------------|--------------------|
| Certificate No. (ATEX) | DEMKO14ATEX1338U | Certificate No. (IECEX) | IECEXULD14.0005U |
| Max. voltage (ATEX) | 690 V | Current (ATEX) | 184 A |
| Wire cross section max. (ATEX) | 70 mm ² | Max. voltage (IECEX) | 690 V |
| Current (IECEX) | 184 A | 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 eb II C Gb |
| Ex 2014/34/EU label | II 2 G D | | |

System specifications

| | | | |
|-------------------------------------|---|-------------------------------|-----|
| Version | Screw connection, for screwable cross-connection, in closed state | End cover plate required | No |
| Number of potentials | 1 | Number of levels | 1 |
| Number of clamping points per level | 2 | Number of potentials per tier | 1 |
| Levels cross-connected internally | No | PE connection | No |
| Rail | TS 35 | N-function | No |
| PE function | No | PEN function | Yes |

2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

| | | | |
|--|--------------------|--|--------------------|
| Cross-section for connected wire, stranded, two clampable wires, min. | 10 mm ² | Cross-section for connected wire, stranded, two clampable wires, max. | 25 mm ² |
| Wire connection cross section, finely stranded, two clampable wires, min. | 10 mm ² | Wire cross-section, finely stranded, two clampable wires, max. | 25 mm ² |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min. | 6 mm ² | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 25 mm ² |

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Technical data**Additional technical data**

| | | | |
|-----------------------------|---------|---------------------|-----------------|
| Explosion-tested version | Yes | Installation advice | Direct mounting |
| Number of similar terminals | 1 | Open sides | closed |
| Type of mounting | Snap-on | | |

CSA rating data

| | | | |
|-------------------------------|----------------|-------------------------------|-------|
| Certificate No. (CSA) | 200039-1581431 | Current size C (CSA) | 150 A |
| Voltage size C (CSA) | 600 V | Wire cross section max. (CSA) | 0 AWG |
| Wire cross section min. (CSA) | 6 AWG | | |

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 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 | | |

Rating data

| | | | |
|---|--------------------|--|---------|
| Rated cross-section | 70 mm ² | Rated voltage | 1,000 V |
| Rated current | 192 A | Current at maximum wires | 232 A |
| Standards | IEC 60947-7-1 | Volume resistance according to IEC 60947-7-x | 0.17 mΩ |
| Power loss in accordance with IEC 60947-7-x | 6.14 W | Rated impulse withstand voltage | 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 | Current size C (cURus) | 150 A |
| Voltage size C (cURus) | 600 V | | |

Data sheet

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Classifications

| | | | |
|-------------|-------------|------------|-------------|
| ETIM 6.0 | EC000897 | ETIM 7.0 | EC000897 |
| eClass 9.0 | 27-14-11-20 | eClass 9.1 | 27-14-11-20 |
| eClass 10.0 | 27-14-11-20 | UNSPSC | 30-21-18-11 |

Approvals

Approvals



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

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | Attestation of Conformity IECEX Certificate EAC certificate INMETRO certificate DE_PT1001_20160418_817_ISSUE01.pdf ATEX Certificate Declaration of Conformity Terminals |
| Brochure/Catalogue | CAT 1 TERM 16/17 EN |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| Engineering Data | STEP |
| User Documentation | NTI WDU/WPE 70N/35 StorageConditionsTerminalBlocks Instruction |

Safety note

| | |
|---------------|------------------------------------|
| Safety notice | Safety Information |
|---------------|------------------------------------|

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Drawings

