

WDU 95N/120N**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

| | |
|------------|--|
| Version | Feed-through terminal, Screw connection, 120 mm ² , 1000 V, 269 A, dark beige |
| Order No. | 1820550000 |
| Type | WDU 95N/120N |
| GTIN (EAN) | 4032248369300 |
| Qty. | 5 pc(s). |

Creation date February 13, 2022 11:02:18 AM CET

Catalogue status 03.02.2022 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 90 mm | Depth (inches) | 3.543 inch |
| Depth including DIN rail | 91 mm | Height | 91 mm |
| Height (inches) | 3.583 inch | Width | 27 mm |
| Width (inches) | 1.063 inch | Net weight | 261.8 g |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|---|
| Storage temperature | | Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity |
| | -25 °C...55 °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) | 880 V | Current (ATEX) | 221 A |
| Wire cross section max. (ATEX) | 120 mm ² | Max. voltage (IECEX) | 880 V |
| Current (IECEX) | 221 A | Wire cross section max. (IECEX) | 120 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, 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, solid, two clampable wires, max. | 10 mm ² | Cross-section for connected wire, solid, two clampable wires, min. | 35 mm ² |
| Cross-section for connected wire, stranded, two clampable wires, max. | 35 mm ² | Cross-section for connected wire, stranded, two clampable wires, min. | 10 mm ² |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 35 mm ² | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min. | 10 mm ² |
| Wire connection cross section, finely stranded, two clampable wires, min. | 16 mm ² | Wire cross-section, finely stranded, two clampable wires, max. | 35 mm ² |

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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) | 200039-1057876 | Current size C (CSA) | 220 A |
| Voltage size C (CSA) | 1000 V | Wire cross section max. (CSA) | 0000 AWG |
| Wire cross section min. (CSA) | 4 AWG | | |

Conductors for clamping (rated connection)

| | | | |
|---|---------------------|---|---------------------|
| Blade size | S6 (DIN 6911) | Clamping range, max. | 150 mm ² |
| Clamping range, min. | 16 mm ² | Clamping screw | M 10 |
| Connection cross-section, stranded, max. | 150 mm ² | Connection cross-section, stranded, min. | 16 mm ² |
| Connection direction | on side | Gauge to IEC 60947-1 | B13 |
| Number of connections | 2 | Stripping length | 27 mm |
| Tightening torque, max. | 20 Nm | Tightening torque, min. | 12 Nm |
| Type of connection | Screw connection | Wire connection cross section AWG, max. | kcmil 250 |
| Wire connection cross section AWG, min. | AWG 4 | Wire connection cross section, finely stranded, max. | 120 mm ² |
| Wire connection cross section, finely stranded, min. | 16 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 95 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 16 mm ² | Wire connection cross-section, solid core, max. | 16 mm ² |
| Wire connection cross-section, solid core, min. | 16 mm ² | | |

Dimensions

| | |
|--------------|---------|
| TS 32 offset | 64.5 mm |
|--------------|---------|

General

| | | | |
|---|-----------------|---|-----------|
| Installation advice | Direct mounting | Rail | TS 35 |
| Standards | IEC 60947-7-1 | Wire connection cross section AWG, max. | kcmil 250 |
| Wire connection cross section AWG, min. | AWG 4 | | |

Rating data

| | | | |
|--|---------------------|---------------------------------|---------------|
| Rated cross-section | 120 mm ² | Rated voltage | 1,000 V |
| Rated DC voltage | 1,000 V DC | Rated current | 269 A |
| Current at maximum wires | 290 A | Standards | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 0.12 mΩ | Rated impulse withstand voltage | 8 kV |
| Power loss in accordance with IEC 60947-7-x | 8.61 W | Pollution severity | 3 |

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UL rating data

| | | | |
|---|--------|---|-----------|
| Certificate No. (UR) | E60693 | Conductor size Factory wiring max. (UR) | 250 kcmil |
| Conductor size Factory wiring min. (UR) | 4 AWG | Conductor size Field wiring max. (UR) | 250 kcmil |
| Conductor size Field wiring min. (UR) | 4 AWG | Current size C (UR) | 228 A |
| Voltage size C (UR) | 1000 V | Wire cross section max. (UR) | 250 kcmil |
| Wire cross section min. (UR) | 4 AWG | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000897 | ETIM 7.0 | EC000897 |
| ETIM 8.0 | EC000897 | ECLASS 9.0 | 27-14-11-20 |
| ECLASS 9.1 | 27-14-11-20 | ECLASS 10.0 | 27-14-11-20 |
| ECLASS 11.0 | 27-14-11-20 | | |

Approvals

Approvals



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

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | Attestation of Conformity IECEX Certificate EAC certificate INMETRO certificate EAC EX Certificate CCC Ex Certificate CE Declaration of Conformity ATEX Certificate CE Declaration of Conformity all terminals |
| Engineering Data | CAD data – STEP |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| User Documentation | NTI WDU/WPE 95N/120 StorageConditionsTerminalBlocks Instruction User documentation WZAD |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

Data sheet

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Drawings

