



**THE DATASHEET OF
1820550000**



W-Series WDU 95N/120N

Weidmüller Interface GmbH & Co. KG
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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 | WDU 95N/120N |
| Order No. | 1820550000 |
| Version | Feed-through terminal, Screw connection, 120 mm ² , 1000 V, 269 A, Dark Beige |
| GTIN (EAN) | 4032248369300 |
| Qty. | 5 pc(s). |

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Technical data**Dimensions and weights**

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

Temperatures

| | | | |
|----------------------------------|--------|----------------------------------|--------|
| 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) | DEMKO 14ATEX1338U | 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 eb II C Gb |
| Ex 2014/34/EU label | II 2 G D | | |

System specifications

| | | | |
|-------------------------------|--|--|------------|
| Version | Screw connection, for screwable cross-connection, closed | Tightening torque (clamping screw for copper conductors) | 12...20 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 | No | Mounting 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, min. | 35 mm ² | Cross-section for connected wire, solid, two clampable wires, max. | 10 mm ² |
| Cross-section for connected wire, stranded, two clampable wires, min. | 10 mm ² | Cross-section for connected wire, stranded, two clampable wires, max. | 35 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 |
| 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 with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 35 mm ² |

Additional technical data

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

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Technical data**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 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, 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 | | |

Dimensions

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

Rating data

| | | | |
|---------------------------------|---------------------|--|---------|
| Rated cross-section | 120 mm ² | Rated voltage | 1,000 V |
| 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 | Pollution severity | 3 |

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 3.0 | EC000897 | ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000897 | ETIM 6.0 | EC000897 |
| UNSPSC | 30-21-18-11 | eClass 5.1 | 27-14-11-20 |
| eClass 6.2 | 27-14-11-20 | eClass 7.1 | 27-14-11-20 |
| eClass 8.1 | 27-14-11-20 | eClass 9.0 | 27-14-11-20 |
| eClass 9.1 | 27-14-11-20 | | |

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Technical data

Product information

| | |
|---------------------------------|--|
| Descriptive text ordering data | 1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions. |
| Descriptive text technical data | 1000 V DC rated voltage tested. |
| Instructions for accessories | Auxiliary connection for additional conductor "WZAD 95N/120N" 1859580000 (up to 10 mm ² , 41 A). Cross-connections, see section "W series accessories". |

Approvals

Approvals



ROHS Conform

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | CFAT_WDU_95N_120N.pdf IECEXULD14.0005U_e.pdf DE_PT1001_20160418_821_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_95N_120.pdf |

Safety note

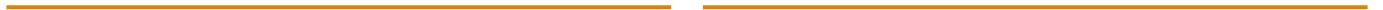
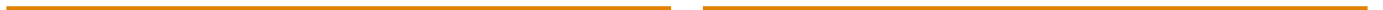
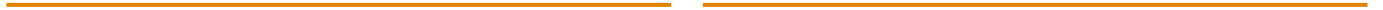
| | |
|---------------|------------------------------------|
| Safety notice | Safety Information |
|---------------|------------------------------------|

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Drawings



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