

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

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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 mm², 1000 V, 269 A, blue |
| Order No.  | <a href="#">1820560000</a>                                            |
| Type       | WDU 95N/120N BL                                                       |
| GTIN (EAN) | 4032248369614                                                         |
| Qty.       | 5 pc(s).                                                              |

## WDU 95N/120N BL

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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 | Net weight     | 261.8 g    |
| Width                    | 27 mm      | Width (inches) | 1.063 inch |

## 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 | blue |
| 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 <sup>2</sup>                                                                               | Max. voltage (IECEX)            | 880 V               |
| Current (IECEX)                | 221 A                                                                                             | Wire cross section max. (IECEX) | 120 mm <sup>2</sup> |
| 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                    | Yes |
| 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 <sup>2</sup> | Cross-section for connected wire, solid, two clampable wires, min.                                         | 35 mm <sup>2</sup> |
| Cross-section for connected wire, stranded, two clampable wires, max.                                      | 35 mm <sup>2</sup> | Cross-section for connected wire, stranded, two clampable wires, min.                                      | 10 mm <sup>2</sup> |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 35 mm <sup>2</sup> | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min. | 10 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, two clampable wires, min.                                  | 16 mm <sup>2</sup> | Wire cross-section, finely stranded, two clampable wires, max.                                             | 35 mm <sup>2</sup> |

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## Additional technical data

|                          |        |                     |                 |
|--------------------------|--------|---------------------|-----------------|
| Explosion-tested version | Yes    | Installation advice | Direct mounting |
| 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 <sup>2</sup> |
| Clamping range, min.                                                                    | 16 mm <sup>2</sup>  | Clamping screw                                                                          | M 10                |
| Connection cross-section, stranded, max.                                                | 150 mm <sup>2</sup> | Connection cross-section, stranded, min.                                                | 16 mm <sup>2</sup>  |
| 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 <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 95 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 16 mm <sup>2</sup>  |
| Wire connection cross-section, solid core, max.                                         | 16 mm <sup>2</sup>  | Wire connection cross-section, solid core, min.                                         | 16 mm <sup>2</sup>  |

## 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

|                                              |         |                                 |                     |
|----------------------------------------------|---------|---------------------------------|---------------------|
| Power loss in accordance with IEC 60947-7-x  | 8.61 W  | Rated cross-section             | 120 mm <sup>2</sup> |
| 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     |
| UL_current_Print                        | 228 A     | UL_voltage_Print                        | 1,000 V   |
| UL_wire_max_Print                       | 250 kcmil | UL_wire_min_Print                       | 4 AWG     |
| Voltage size C (UR)                     | 1000 V    | Wire cross section max. (UR)            | 250 kcmil |
| Wire cross section min. (UR)            | 4 AWG     |                                         |           |

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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 | ECLASS 11.0 | 27-14-11-20 |

## Approvals

Approvals



ROHS Conform

UL File Number Search E60693

## Downloads

|                                             |                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><a href="#">IECEX Certificate</a><br><a href="#">EAC certificate</a><br><a href="#">INMETRO certificate</a><br><a href="#">EAC EX Certificate</a><br><a href="#">CCC Ex Certificate</a><br><a href="#">Declaration of Conformity</a><br><a href="#">ATEX Certificate</a><br><a href="#">Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                                                                                                                                                                                                                                               |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                                                                                                                                                                                                                                                           |
| User Documentation                          | <a href="#">NTI WDU/WPE 95N/120</a><br><a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">Instruction</a><br><a href="#">User documentation WZAD</a>                                                                                                                                                                                                   |

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## Drawings