

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

| | |
|------------|--|
| Version | Feed-through terminal block, Screw connection, 120 mm ² , 1000 V, 269 A, Number of connections: 2 |
| Order No. | 1820560000 |
| Type | WDU 95N/120N BL |
| GTIN (EAN) | 4032248369614 |
| Qty. | 5 pc(s). |

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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 | 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 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 | 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 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 |
| 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 | | |

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 | 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 |

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 | | |

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Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000897 | ETIM 7.0 | EC000897 |
| ETIM 8.0 | EC000897 | ETIM 9.0 | 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 |
| ECLASS 12.0 | 27-14-11-20 | ECLASS 13.0 | 27-25-01-01 |

Approvals

Approvals



| | |
|-----------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (UR) | E60693 |

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | Attestation of Conformity IECEX Certificate UKCA Ex Attestation of Conformity UKCA Ex Certificate CE Declaration of Conformity ATEX Certificate UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10 |
| Engineering Data | CAD data – STEP |
| Engineering Data | Zuken E3.S |
| User Documentation | NTI WDU/WPE 95N/120 StorageConditionsTerminalBlocks Instruction Instruction User documentation WZAD |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

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Drawings

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Accessories

Blank



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | DEK 5/8 MC NE WS | Version |
| Order No. | 1856740000 | Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00 |
| GTIN (EAN) | 4032248400850 | Weidmueller, white |
| Qty. | 800 pc(s). | |

95/120 mm²

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 | WQV 95N/120N/2 | Version |
| Order No. | 1826890000 | Cross-connector (terminal), when screwed in, Number of poles: 2, |
| GTIN (EAN) | 4032248329946 | Pitch in mm (P): 27.00, Insulated: No, 269 A, Silver grey |
| Qty. | 5 pc(s). | |
| Type | WQV 95N/120N/4 | Version |
| Order No. | 1826910000 | Cross-connector (terminal), when screwed in, Number of poles: 4, |
| GTIN (EAN) | 4032248329960 | Pitch in mm (P): 27.00, Insulated: No, 269 A, Silver grey |
| Qty. | 5 pc(s). | |
| Type | WQV 95N/120N/3 | Version |
| Order No. | 1826900000 | Cross-connector (terminal), when screwed in, Number of poles: 3, |
| GTIN (EAN) | 4032248329953 | Pitch in mm (P): 27.00, Insulated: No, 269 A, Silver grey |
| Qty. | 5 pc(s). | |

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www.weidmueller.com**Accessories****Blank**

WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | WS 15/5 MC NE WS | Version |
| Order No. | 1609880000 | WS, Terminal marker, 15 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, |
| GTIN (EAN) | 4008190203504 | Allen-Bradley, white |
| Qty. | 480 pc(s). | |

WZAD**General ordering data**

| | | |
|------------|----------------------------|--|
| Type | WZAD 95N/120N | Version |
| Order No. | 1859580000 | Auxiliary connection (terminal), 6 mm², Number of connections: 1 |
| GTIN (EAN) | 4032248718429 | |
| Qty. | 5 pc(s). | |

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Accessories

W-Series



Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | WAD 20 GE WSD | Version |
| Order No. | 9512260000 | Terminal marking, Pitch in mm (P): 18.00, Printed characters: Symbols, |
| GTIN (EAN) | 4008190403942 | yellow |
| Qty. | 10 pc(s). | |

Marker holder



The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

General ordering data

| | | |
|------------|----------------------------|----------------------------|
| Type | BZT 1 WS 10/5 | Version |
| Order No. | 1805490000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270231 | |
| Qty. | 100 pc(s). | |

| | | |
|------------|----------------------------|----------------------------|
| Type | BZT 1 ZA WS 10/5 | Version |
| Order No. | 1805520000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248 | |
| Qty. | 100 pc(s). | |

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www.weidmueller.com**Accessories****W-Series****W**
Series

Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | WEW 35/1 | Version |
| Order No. | 1059000000 | End bracket, Wemid, dark beige, Rail: TS 35, when screwed in |
| GTIN (EAN) | 4008190172282 | |
| Qty. | 50 pc(s). | |

DEK 5/8**WS/ DEK**

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

General ordering data

| | | |
|------------|----------------------------|--|
| Type | DEK 5/8 MM WS | Version |
| Order No. | 2007130000 | Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white |
| GTIN (EAN) | 4050118392012 | |
| Qty. | 500 pc(s). | |