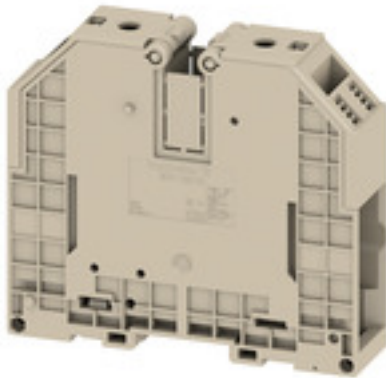


WDU 120/150**Weidmüller Interface GmbH & Co. KG**

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. | 1024500000 |
| Type | WDU 120/150 |
| GTIN (EAN) | 4008190164768 |
| Qty. | 10 pc(s). |

WDU 120/150

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Technical data

Dimensions and weights

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 117 mm | Depth (inches) | 4.606 inch |
| Depth including DIN rail | 125.5 mm | Height | 132 mm |
| Height (inches) | 5.197 inch | Width | 32 mm |
| Width (inches) | 1.26 inch | Net weight | 508.825 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) | 1100 V | Current (ATEX) | 265 A |
| Wire cross section max. (ATEX) | 150 mm ² | Max. voltage (IECEX) | 1100 V |
| Current (IECEX) | 265 A | Wire cross section max. (IECEX) | 150 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, stranded, two clampable wires, max. | 70 mm ² | Cross-section for connected wire, stranded, two clampable wires, min. | 35 mm ² |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 70 mm ² | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min. | 35 mm ² |
| Wire connection cross section, finely stranded, two clampable wires, min. | 35 mm ² | Wire cross-section, finely stranded, two clampable wires, max. | 70 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) | 12400-241 | Current size C (CSA) | 285 A |
| Voltage size C (CSA) | 600 V | Wire cross section max. (CSA) | 250 AWG |
| Wire cross section min. (CSA) | 2 AWG | | |

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

Conductors for clamping (rated connection)

| | | | | |
|------------------------------------------------------|----------------------------------------|------------------------------|-----------------------|-------|
| Blade size | S6 (DIN 6911) | | | |
| Clampable conductor | Connection specification | | Screw connection | |
| | Cross-section for conductor connection | Type | stranded, H07V-R | |
| | | min. | 35 mm ² | |
| | | max. | 150 mm ² | |
| | | nominal | 120 mm ² | |
| | wire end ferrule | Stripping length | min. | 35 mm |
| | | | max. | 35 mm |
| | | | nominal | 35 mm |
| | | Tightening torque | min. | 10 Nm |
| | | | max. | 20 Nm |
| | | Recommended wire-end ferrule | | |
| | Connection specification | | Screw connection | |
| | Cross-section for conductor connection | Type | flexible, H05(07) V-K | |
| | | min. | 35 mm ² | |
| | | max. | 150 mm ² | |
| | | nominal | 120 mm ² | |
| | wire end ferrule | Stripping length | min. | 35 mm |
| | | | max. | 35 mm |
| | | | nominal | 35 mm |
| | | Tightening torque | min. | 10 Nm |
| | | | max. | 20 Nm |
| | | Recommended wire-end ferrule | | |
| Clamping range, max. | | 150 mm ² | | |
| Clamping range, min. | | 33.63 mm ² | | |
| Clamping screw | | M 10 | | |
| Connection cross-section, stranded, max. | | 150 mm ² | | |
| Connection cross-section, stranded, min. | | 35 mm ² | | |
| Connection direction | | on side | | |
| Gauge to IEC 60947-1 | | B13 | | |
| Number of connections | | 2 | | |
| Stripping length | | 35 mm | | |
| Tightening torque, max. | | 20 Nm | | |
| Tightening torque, min. | | 10 Nm | | |
| Type of connection | | Screw connection | | |
| Wire connection cross section AWG, max. | | kcmil 250 | | |
| Wire connection cross section AWG, min. | | AWG 2 | | |
| Wire connection cross section, finely stranded, max. | | 150 mm ² | | |
| Wire connection cross section, finely stranded, min. | | 35 mm ² | | |

Creation date May 3, 2024 7:51:42 AM CEST

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Technical data

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. 150 mm²

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. 35 mm²

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. 150 mm²

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. 35 mm²

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 2 | | |

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 | 309 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) | 2 AWG | Conductor size Field wiring max. (UR) | 250 kcmil |
| Conductor size Field wiring min. (UR) | 2 AWG | Current size C (UR) | 225 A |
| Voltage size C (UR) | 1000 V | | |

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 |

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Technical data

Approvals

Approvals



| | |
|---------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (UR) | E60693 |
| Certificate No. (cURusEX) | E184763 |

Downloads

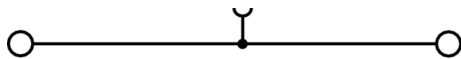
| | |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | Attestation of Conformity IECEX Certificate CB Testreport CB Certificate DNVGL certificate NEMKO certificate Lloyds Register Certificate POLSKIREJ 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 | Beipackzettel_WDU70-95_120-150.pdf NTI WDU/WPE 120/150 StorageConditionsTerminalBlocks Instruction |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

WDU 120/150

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Drawings



WDU 120/150**Weidmüller Interface GmbH & Co. KG**

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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). | |

WZAD**General ordering data**

| | | |
|------------|----------------------------|-----------------------------------------------------------|
| Type | WZAD120 | Version |
| Order No. | 1066100000 | Auxiliary connection (terminal), Number of connections: 1 |
| GTIN (EAN) | 4008190017019 | |
| Qty. | 10 pc(s). | |

WDU 120/150

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Accessories

WS 12/6.5



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 | WS 12/6.5 MM WS | Version |
| Order No. | 2619930000 | WS, Terminal marker, 12 x 6.5 mm, Weidmueller, white |
| GTIN (EAN) | 4050118626155 | |
| Qty. | 600 pc(s). | |

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 27 NE WS | Version |
| Order No. | 1062960000 | Group markers, Cover, 64 x 27 mm, Pitch in mm (P): 27.00 |
| GTIN (EAN) | 4008190148225 | Weidmueller, white |
| Qty. | 10 pc(s). | |
| Type | WAD 27 B GE/SW | Version |
| Order No. | 1062860000 | Group markers, Cover, 64 x 27 mm, Pitch in mm (P): 27.00 |
| GTIN (EAN) | 4008190127732 | Weidmueller, yellow |
| Qty. | 10 pc(s). | |

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Accessories

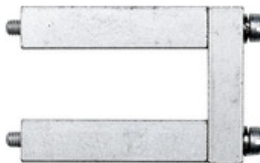
Marker holder



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 ZA WS 10/5 | Version |
| Order No. | 1805520000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248 | |
| Qty. | 100 pc(s). | |
| Type | BZT 1 WS 10/5 | Version |
| Order No. | 1805490000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270231 | |
| Qty. | 100 pc(s). | |

120/150 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 120/3 | Version |
| Order No. | 1063400000 | Cross-connector (terminal), when screwed in, Number of poles: 3, |
| GTIN (EAN) | 4008190141363 | Pitch in mm (P): 32.00, Insulated: No, 292 A, Silver grey |
| Qty. | 5 pc(s). | |
| Type | WQV 120/2 | Version |
| Order No. | 1063300000 | Cross-connector (terminal), when screwed in, Number of poles: 2, |
| GTIN (EAN) | 4008190025830 | Pitch in mm (P): 32.00, Insulated: No, 269 A, Silver grey |
| Qty. | 5 pc(s). | |

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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 5/5 MC NE WS | Version |
| Order No. | 1609801044 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190397111 | Weidmueller, white |
| Qty. | 1,000 pc(s). | |

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 12/6.5 MC NE WS | Version |
| Order No. | 1609920000 | WS, Terminal marker, 12 x 6.5 mm, Pitch in mm (P): 6.50 |
| GTIN (EAN) | 4008190203511 | Weidmueller, Allen-Bradley, white |
| Qty. | 540 pc(s). | |