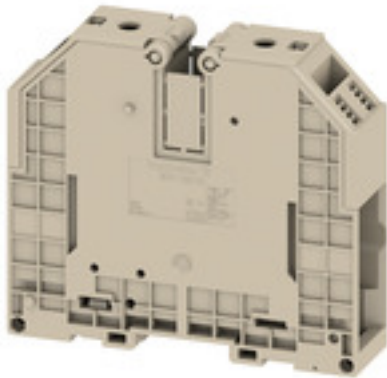


**WDU 120/150****Weidmüller Interface GmbH & Co. KG**

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 mm <sup>2</sup> , 1000 V, 269 A, dark beige |
| Order No.  | <a href="#">1024500000</a>                                                               |
| 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 °C |
| Depth including DIN rail | 125.5 mm  | Height         | 132 mm   |
| Height (inches)          | 5.197 °C  | Width          | 32 mm    |
| Width (inches)           | 1.26 °C   | Weight         | 540 g    |
| 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 <sup>2</sup>                                                                               | Max. voltage (IECEX)            | 1100 V              |
| Current (IECEX)                | 265 A                                                                                             | Wire cross section max. (IECEX) | 150 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 eb II C Gb       |
| Ex 2014/34/EU label            | II 2 G D                                                                                          |                                 |                     |

## 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 Nm | Cross-section for connected wire, stranded, two clampable wires, min.                                      | 35 Nm |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 70 Nm | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min. | 35 Nm |
| Wire connection cross section, finely stranded, two clampable wires, min.                                  | 35 Nm | Wire cross-section, finely stranded, two clampable wires, max.                                             | 70 Nm |

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## Technical data

## 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)         | 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 (rated connection)

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

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## Technical data

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

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

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. 50 Nm

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

## General

Installation advice Direct mounting

Standards

IEC 60947-7-1

Wire connection cross section AWG, min.

AWG 2

Rail TS 35

Wire connection cross section AWG, max.

kcmil 250

## Rating data

Rated cross-section 120 Nm

Rated DC voltage 1,000 mm<sup>2</sup>

Current at maximum wires 309 A

Volume resistance according to IEC 60947-7-x 0.12 °C

Power loss in accordance with IEC 60947-7-x 8.61 W

Rated voltage 1,000 V

Rated current 269 A

Standards IEC 60947-7-1

Rated impulse withstand voltage 8 kV

Pollution severity

3

## UL rating data

Certificate No. (UR) E60693

Conductor size Factory wiring min. (UR) 2 AWG

Conductor size Field wiring min. (UR) 2 AWG

UL\_current\_Print 225 A

UL\_wire\_max\_Print 250 MBit/s

Voltage size C (UR) 1000 V

Conductor size Factory wiring max. (UR) 250 kcmil

Conductor size Field wiring max. (UR) 250 kcmil

Current size C (UR) 225 A

UL\_voltage\_Print 1,000 V

UL\_wire\_min\_Print 2 A / 6 A / 10 A / 13 A / 15 A

## Classifications

ETIM 6.0 EC000897

ETIM 8.0 EC000897

ECLASS 9.1 27-14-11-20

ECLASS 11.0 27-14-11-20

ETIM 7.0 EC000897

ECLASS 9.0 27-14-11-20

ECLASS 10.0 27-14-11-20

## WDU 120/150

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## Technical data

## 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="#">CB Testreport</a><br><a href="#">CB Certificate</a><br><a href="#">EAC certificate</a><br><a href="#">DNVGL certificate</a><br><a href="#">NEMKO certificate</a><br><a href="#">INMETRO certificate</a><br><a href="#">Lloyds Register Certificate</a><br><a href="#">MARITREG Certificate</a><br><a href="#">POLSKIREJ 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 all terminals</a> |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| User Documentation                          | <a href="#">Beipackzettel_WDU70-95_120-150.pdf</a><br><a href="#">NTI WDU/WPE 120/150</a><br><a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">Instruction</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Brochures                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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## Drawings

