

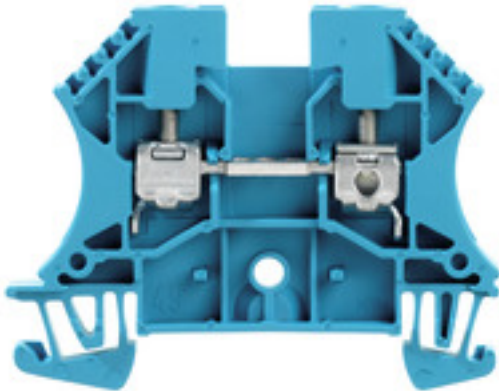
**WDU 4 BL****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**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**

|            |                                                                                |
|------------|--------------------------------------------------------------------------------|
| Version    | Feed-through terminal, Screw connection, 4 mm <sup>2</sup> , 800 V, 32 A, blue |
| Order No.  | <a href="#">1020180000</a>                                                     |
| Type       | WDU 4 BL                                                                       |
| GTIN (EAN) | 4008190185237                                                                  |
| Qty.       | 100 pc(s).                                                                     |

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## Technical data

## Dimensions and weights

|                          |          |                |          |
|--------------------------|----------|----------------|----------|
| Depth                    | 46.5 mm  | Depth (inches) | 1.831 °C |
| Depth including DIN rail | 47 mm    | Height         | 60 mm    |
| Height (inches)          | 2.362 °C | Width          | 6.1 mm   |
| Width (inches)           | 0.24 °C  | Weight         | 10.4 g   |
| Net weight               | 9.42 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)         | DEMKO 14ATEX 1338U                                                                                | Certificate No. (IECEX)         | IECEXULD14.0005U  |
| Max. voltage (ATEX)            | 690 V                                                                                             | Current (ATEX)                  | 32 A              |
| Wire cross section max. (ATEX) | 4 mm <sup>2</sup>                                                                                 | Max. voltage (IECEX)            | 690 V             |
| Current (IECEX)                | 32 A                                                                                              | Wire cross section max. (IECEX) | 4 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 plug-in cross-connector, for screwable cross-connection, One end without connector | End cover plate required      |     |
|                                     |                                                                                                          |                               | Yes |
| 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                  | No  |

## 2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

|                                                                                                            |        |                                                                                                            |        |
|------------------------------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------------------------|--------|
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 1.5 Nm | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min. | 0.5 Nm |
| Wire connection cross section, finely stranded, two clampable wires, min.                                  | 0.5 Nm | Wire cross-section, finely stranded, two clampable wires, max.                                             | 1.5 Nm |

## Additional technical data

|                          |       |                             |         |
|--------------------------|-------|-----------------------------|---------|
| Explosion-tested version | Yes   | Number of similar terminals | 1       |
| Open sides               | right | Type of mounting            | Snap-on |

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### CSA rating data

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-1057876 | Current size B (CSA)          | 35 A   |
| Current size C (CSA)          | 35 A           | Voltage size C (CSA)          | 600 V  |
| Wire cross section max. (CSA) | 10 AWG         | Wire cross section min. (CSA) | 26 AWG |

### Conductors for clamping (rated connection)

|                                          |                              |                                        |                            |
|------------------------------------------|------------------------------|----------------------------------------|----------------------------|
| Blade size                               | 0.6 x 3.5 mm                 |                                        |                            |
| Clampable conductor                      | Connection specification     | Screw connection                       |                            |
|                                          |                              | Cross-section for conductor connection | Type solid, H05(07) V-U    |
|                                          |                              |                                        | min. 0.5 Nm                |
|                                          |                              |                                        | max. 6 Nm                  |
|                                          |                              | nominal 4 Nm                           |                            |
|                                          | wire end ferrule             | Stripping length                       | min. 10 mm                 |
|                                          |                              |                                        | max. 10 mm                 |
|                                          |                              |                                        | nominal 10 mm              |
|                                          |                              | Tightening torque                      | min. 0.5 inch              |
|                                          |                              | max. 1 inch                            |                            |
|                                          |                              | Recommended wire-end ferrule           |                            |
|                                          | Connection specification     | Screw connection                       |                            |
|                                          |                              | Cross-section for conductor connection | Type stranded, H07V-R      |
|                                          |                              |                                        | min. 1.5 Nm                |
|                                          |                              |                                        | max. 6 Nm                  |
|                                          |                              | nominal 4 Nm                           |                            |
|                                          | wire end ferrule             | Stripping length                       | min. 10 mm                 |
|                                          |                              |                                        | max. 10 mm                 |
|                                          |                              |                                        | nominal 10 mm              |
|                                          |                              | Tightening torque                      | min. 0.5 inch              |
|                                          |                              | max. 1 inch                            |                            |
|                                          |                              | Recommended wire-end ferrule           |                            |
|                                          | Connection specification     | Screw connection                       |                            |
|                                          |                              | Cross-section for conductor connection | Type flexible, H05(07) V-K |
|                                          |                              | min. 0.5 inch                          |                            |
|                                          |                              | max. 6 inch                            |                            |
|                                          | nominal 4 inch               |                                        |                            |
| wire end ferrule                         | Stripping length             | min. 10 mm                             |                            |
|                                          |                              | max. 10 mm                             |                            |
|                                          |                              | nominal 10 mm                          |                            |
|                                          | Tightening torque            | min. 0.5 inch                          |                            |
|                                          | max. 1 inch                  |                                        |                            |
|                                          | Recommended wire-end ferrule |                                        |                            |
| Clamping range, max.                     | 6 Nm                         |                                        |                            |
| Clamping range, min.                     | 0.13 Nm                      |                                        |                            |
| Clamping screw                           | M 3                          |                                        |                            |
| Connection cross-section, stranded, max. | 6 Nm                         |                                        |                            |
| Connection cross-section, stranded, min. | 1.5 Nm                       |                                        |                            |
| Connection direction                     | on side                      |                                        |                            |
| Gauge to IEC 60947-1                     | A4                           |                                        |                            |
| Number of connections                    | 2                            |                                        |                            |
| Stripping length                         | 10 mm                        |                                        |                            |
| Tightening torque, max.                  | 1 inch                       |                                        |                            |
| Tightening torque, min.                  | 0.5 inch                     |                                        |                            |

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|                                                                                         |                  |
|-----------------------------------------------------------------------------------------|------------------|
| Torque level with DMS electric screwdriver                                              | 2                |
| Twin wire-end ferrules, max.                                                            | 2.5 Nm           |
| Twin wire-end ferrules, min.                                                            | 0.5 Nm           |
| Type of connection                                                                      | Screw connection |
| Wire connection cross section AWG, max.                                                 | AWG 10           |
| Wire connection cross section AWG, min.                                                 | AWG 26           |
| Wire connection cross section, finely stranded, max.                                    | 6 Nm             |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 4 Nm             |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 Nm           |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 4 Nm             |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 Nm           |
| Wire connection cross-section, solid core, max.                                         | 6 Nm             |
| Wire connection cross-section, solid core, min.                                         | 0.5 Nm           |

## General

|                                         |        |                                         |               |
|-----------------------------------------|--------|-----------------------------------------|---------------|
| Rail                                    | TS 35  | Standards                               | IEC 60947-7-1 |
| Wire connection cross section AWG, max. | AWG 10 | Wire connection cross section AWG, min. | AWG 26        |

## Rating data

|                                 |               |                                              |        |
|---------------------------------|---------------|----------------------------------------------|--------|
| Rated cross-section             | 4 Nm          | Rated voltage                                | 800 V  |
| Rated current                   | 32 A          | Current at maximum wires                     | 41 A   |
| Standards                       | IEC 60947-7-1 | Volume resistance according to IEC 60947-7-x | 1 °C   |
| Rated impulse withstand voltage | 8 kV          | Power loss in accordance with IEC 60947-7-x  | 1.02 W |
| Pollution severity              | 3             |                                              |        |

## UL rating data

|                                         |                                 |                                         |                                 |
|-----------------------------------------|---------------------------------|-----------------------------------------|---------------------------------|
| Certificate No. (UR)                    | E60693                          | Conductor size Factory wiring max. (UR) | 10 AWG                          |
| Conductor size Factory wiring min. (UR) | 26 AWG                          | Conductor size Field wiring max. (UR)   | 10 AWG                          |
| Conductor size Field wiring min. (UR)   | 22 AWG                          | Current size C (UR)                     | 35 A                            |
| UL_current_Print                        | 35 A                            | UL_voltage_Print                        | 600 V                           |
| UL_wire_max_Print                       | 10 A / 6 A / 10 A / 13 A / 15 A | UL_wire_min_Print                       | 26 A / 6 A / 10 A / 13 A / 15 A |
| Voltage size C (UR)                     | 600 V                           |                                         |                                 |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000897    | ETIM 7.0    | EC000897    |
| ETIM 8.0    | 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 |             |             |

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### 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="#">NTI WDU/WPE 4</a><br><a href="#">Usage of terminals in EXi atmospheres</a><br><a href="#">StorageConditionsTerminalBlocks</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Brochures                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

**Data sheet**

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**Drawings**

