

**W-Series**  
**WDU 6 SL/EN****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

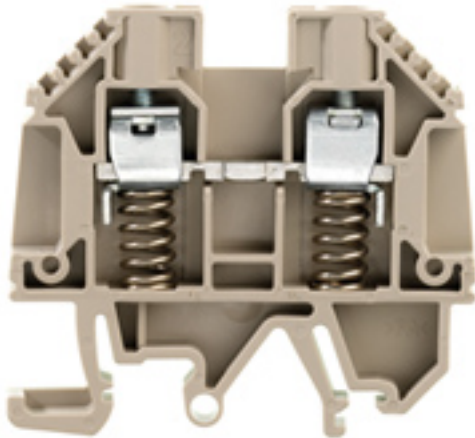
D-32758 Detmold

Germany

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**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**

|            |                                                                               |
|------------|-------------------------------------------------------------------------------|
| Type       | WDU 6 SL/EN                                                                   |
| Order No.  | <a href="#">9537470000</a>                                                    |
| Version    | W-Series, Feed-through terminal, Rated cross-section: 6 mm², Screw connection |
| GTIN (EAN) | 4008190026097                                                                 |
| Qty.       | 50 pc(s).                                                                     |

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**Technical data**
**Dimensions and weights**

|                          |         |                 |            |
|--------------------------|---------|-----------------|------------|
| Width                    | 7.9 mm  | Width (inches)  | 0.311 inch |
| Height                   | 60 mm   | Height (inches) | 2.362 inch |
| Depth                    | 51.1 mm | Depth (inches)  | 2.012 inch |
| Depth including DIN rail | 55 mm   | Weight          | 17.33 g    |
| Net weight               | 18.52 g |                 |            |

**Temperatures**

|                                  |        |                                  |        |
|----------------------------------|--------|----------------------------------|--------|
| 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)            | 440 V                                                                                             | Current (ATEX)                  | 40 A              |
| Wire cross section max. (ATEX) | 6 mm <sup>2</sup>                                                                                 | Max. voltage (IECEX)            | 440 V             |
| Current (IECEX)                | 40 A                                                                                              | Wire cross section max. (IECEX) | 6 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 e II           |

**System specifications**

|                               |                                                                                                                                          |                                                          |              |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------|
| Version                       | Screw connection, with spring-loaded cable clamp, for screwable cross-connection, for plug-in cross-connector. One end without connector | Tightening torque (clamping screw for copper conductors) |              |
|                               |                                                                                                                                          |                                                          | 0.8...1.6 Nm |
| End cover plate required      | Yes                                                                                                                                      | Number of potentials                                     | 1            |
| Number of levels              | 1                                                                                                                                        | No. of clamping points per level                         | 2            |
| Number of potentials per tier | 1                                                                                                                                        | Levels cross-connected internally                        | No           |
| PE connection                 | No                                                                                                                                       | Mounting rail                                            | TS 32, TS 35 |
| N-function                    | No                                                                                                                                       | PE function                                              | No           |
| PEN function                  | No                                                                                                                                       |                                                          |              |

**Additional technical data**

|                          |       |                             |         |
|--------------------------|-------|-----------------------------|---------|
| Explosion-tested version | No    | Number of similar terminals | 1       |
| Open sides               | right | Type of mounting            | Snap-on |

**CSA rating data**

|                               |                |                               |       |
|-------------------------------|----------------|-------------------------------|-------|
| Certificate No. (CSA)         | 200039-1057876 | Current size B (CSA)          | 45 A  |
| Current size C (CSA)          | 45 A           | Current size D (CSA)          | 5 A   |
| Voltage size B (CSA)          | 300 V          | Voltage size C (CSA)          | 300 V |
| Voltage size D (CSA)          | 600 V          | Wire cross section max. (CSA) | 8 AWG |
| Wire cross section min. (CSA) | 20 AWG         |                               |       |

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**Technical data**
**Conductors for clamping (rated connection)**

|                                                      |                     |                                                      |                     |
|------------------------------------------------------|---------------------|------------------------------------------------------|---------------------|
| Blade size                                           | 0.8 x 4.0 mm        | Clamping range, max.                                 | 6 mm <sup>2</sup>   |
| Clamping range, min.                                 | 0.5 mm <sup>2</sup> | Clamping screw                                       | M 3.5               |
| Connection cross-section, stranded, max.             | 6 mm <sup>2</sup>   | Connection direction                                 | on side             |
| Gauge to IEC 60947-1                                 | A5                  | Number of connections                                | 2                   |
| Stripping length                                     | 16 mm               | Tightening torque, max.                              | 1.6 Nm              |
| Tightening torque, min.                              | 0.8 Nm              | Type of connection                                   | Screw connection    |
| Wire connection cross section, finely stranded, max. | 6 mm <sup>2</sup>   | Wire connection cross-section, finely stranded, min. | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, solid core, max.      | 6 mm <sup>2</sup>   | Wire connection cross-section, solid core, min.      | 0.5 mm <sup>2</sup> |

**Rating data**

|                                 |                   |                                              |         |
|---------------------------------|-------------------|----------------------------------------------|---------|
| Rated cross-section             | 6 mm <sup>2</sup> | Rated voltage                                | 630 V   |
| Rated current                   | 41 A              | Current at maximum wires                     | 57 A    |
| Standards                       | IEC 60947-7-1     | Volume resistance according to IEC 60947-7-x | 0.78 mΩ |
| Rated impulse withstand voltage | 6 kV              | Pollution severity                           | 2       |
| Surge voltage category          | III               |                                              |         |

**UL rating data**

|                                         |        |                                         |       |
|-----------------------------------------|--------|-----------------------------------------|-------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 8 AWG |
| Conductor size Factory wiring min. (UR) | 20 AWG | Conductor size Field wiring max. (UR)   | 8 AWG |
| Conductor size Field wiring min. (UR)   | 20 AWG | Current size C (UR)                     | 50 A  |
| Current size D (UR)                     | 10 A   | Voltage size C (UR)                     | 150 V |
| Voltage size D (UR)                     | 300 V  |                                         |       |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC000897    | ETIM 4.0   | EC000897    |
| ETIM 5.0   | EC000897    | ETIM 6.0   | EC000897    |
| UNSPSC     | 30-21-18-11 | eClass 5.1 | 27-14-11-31 |
| eClass 6.2 | 27-14-11-90 | eClass 7.1 | 27-14-11-90 |
| eClass 8.1 | 27-14-11-20 | eClass 9.0 | 27-14-11-20 |
| eClass 9.1 | 27-14-11-20 |            |             |

**Product information**

|                                 |                                                                                                               |
|---------------------------------|---------------------------------------------------------------------------------------------------------------|
| Descriptive text ordering data  | With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear). |
| Descriptive text technical data | ESI rated data: 500 V/24 A / Note the max. current of the terminal (57 A) when using the cross-connector!     |
| Descriptive text accessories    | Cross-connections, see section "W series accessories".                                                        |

**Approvals**

Approvals



ATEX



IEC EX



ROHS

Conform

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## Technical data

### Downloads

|                                             |                                                                                                                                                                             |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">CFAT_WDU 6 SL_EN.pdf</a><br><a href="#">IECEXULD14.0005U_e.pdf</a><br><a href="#">DE_PT1051_20160418_814_ISSUE01.pdf</a><br><a href="#">ACF-ATEX_4786180920</a> |
| Brochure/Catalogue                          | <a href="#">CAT 1 TERM 16/17 EN</a>                                                                                                                                         |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                                                                    |
| User Documentation                          | <a href="#">NTI_IECEX_WDU-WPE_6_SL_EN.pdf</a>                                                                                                                               |

### Safety note

|               |                                    |
|---------------|------------------------------------|
| Safety notice | <a href="#">Safety Information</a> |
|---------------|------------------------------------|

**Data sheet****W-Series  
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**Drawings**