

**WDU 6 SL/EN RT****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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    | W-Series, Feed-through terminal, Rated cross-section: 6 mm <sup>2</sup> , Screw connection |
| Order No.  | <a href="#">1483920000</a>                                                                 |
| Type       | WDU 6 SL/EN RT                                                                             |
| GTIN (EAN) | 4050118293517                                                                              |
| Qty.       | 50 pc(s).                                                                                  |

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## Technical data

## Dimensions and weights

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 51.1 mm    | Depth (inches) | 2.012 inch |
| Depth including DIN rail | 55 mm      | Height         | 60 mm      |
| Height (inches)          | 2.362 inch | Net weight     | 17.98 g    |
| Width                    | 7.9 mm     | Width (inches) | 0.311 inch |

## Temperatures

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature              | -25 °C...55 °C | Continuous operating temp., min. | -60 °C |
| Continuous operating temp., max. | 130 °C         |                                  |        |

## Material data

|                           |       |        |     |
|---------------------------|-------|--------|-----|
| Material                  | Wemid | Colour | red |
| 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> |
| Marking EN 60079-7             | Ex eb II C Gb     | Ex 2014/34/EU label             | II 2 G D          |

## System specifications

|                                     |                                                                                                                                          |                               |     |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----|
| Version                             | Screw connection, with spring-loaded cable clamp, for screwable cross-connection, for plug-in cross-connector, 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 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 |

## 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, solid core, max. | 6 mm <sup>2</sup> |
| Wire connection cross-section, solid core, min.      | 0.5 mm <sup>2</sup> |                                                 |                   |

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## General

|      |              |           |               |
|------|--------------|-----------|---------------|
| Rail | TS 32, TS 35 | Standards | IEC 60947-7-1 |
|------|--------------|-----------|---------------|

## Rating data

|                                              |         |                                 |                   |
|----------------------------------------------|---------|---------------------------------|-------------------|
| Power loss in accordance with IEC 60947-7-x  | 1.31 W  | 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               |

## Classifications

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

## Approvals

Approvals



|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

## Downloads

|                                             |                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><a href="#">IECEX Certificate</a><br><a href="#">EAC 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</a> |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                                                                                                                                                                                                        |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                                                                                                                                                                                                                    |
| User Documentation                          | <a href="#">NTI WDU/WPE 6 SL EN</a><br><a href="#">StorageConditionsTerminalBlocks</a>                                                                                                                                                                                                                                      |

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## Drawings

