

**WDU 6 SL****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

In specific applications and industries, a hook blade connection is the preferred technology. The spring loaded feed through terminals allow a fast and safe installation: after the cable lug has been inserted in the block the conductor is fixed by the spring until you can comfortably connect it with the screw.

**General ordering data**

|            |                                                                                            |
|------------|--------------------------------------------------------------------------------------------|
| Version    | W-Series, Feed-through terminal, Rated cross-section: 6 mm <sup>2</sup> , Screw connection |
| Order No.  | <a href="#">9537460000</a>                                                                 |
| Type       | WDU 6 SL                                                                                   |
| GTIN (EAN) | 4008190024222                                                                              |
| Qty.       | 50 pc(s).                                                                                  |

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## Technical data

## Dimensions and weights

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 46.5 mm    | Depth (inches) | 1.831 inch |
| Depth including DIN rail | 47 mm      | Height         | 60 mm      |
| Height (inches)          | 2.362 inch | Width          | 7.9 mm     |
| Width (inches)           | 0.311 inch | Net weight     | 16.226 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)            | 275 V                                                                                             | Current (ATEX)                  | 40 A              |
| Wire cross section max. (ATEX) | 6 mm <sup>2</sup>                                                                                 | Max. voltage (IECEX)            | 275 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 eb II C Gb     |

## 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 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 C (CSA)          | 45 A  |
| Current size D (CSA)          | 5 A            | 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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## 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> |

## General

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

## 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              | Power loss in accordance with IEC 60947-7-x  | 1.31 W  |
| 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 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 | ECLASS 12.0 | 27-14-11-20 |

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## Approvals

Approvals



ROHS Conform

UL File Number Search UL Website

Certificate No. (UR) E60693

## Downloads

|                                             |                                                                        |
|---------------------------------------------|------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a>                              |
|                                             | <a href="#">IECEX Certificate</a>                                      |
|                                             | <a href="#">EAC certificate</a>                                        |
|                                             | <a href="#">EAC EX Certificate</a>                                     |
|                                             | <a href="#">CCC Ex Certificate</a>                                     |
|                                             | <a href="#">UKCA Ex Certificate</a>                                    |
|                                             | <a href="#">CE Declaration of Conformity</a>                           |
|                                             | <a href="#">ATEX Certificate</a>                                       |
|                                             | <a href="#">CE Declaration of Conformity all terminals</a>             |
| Engineering Data                            | <a href="#">UKCA declaration of conformity</a>                         |
|                                             | <a href="#">CAD data – STEP</a>                                        |
| Engineering Data                            | <a href="#">WSCAD, Zuken E3.S</a>                                      |
| Product Change Notification                 | <a href="#">TI_910_WDU_6_SL_combination_of_accessories_20170517_BL</a> |
| User Documentation                          | <a href="#">NTI WDU/WPE 6 SL EN</a>                                    |
|                                             | <a href="#">StorageConditionsTerminalBlocks</a>                        |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                               |
| Brochures                                   |                                                                        |

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## Drawings

