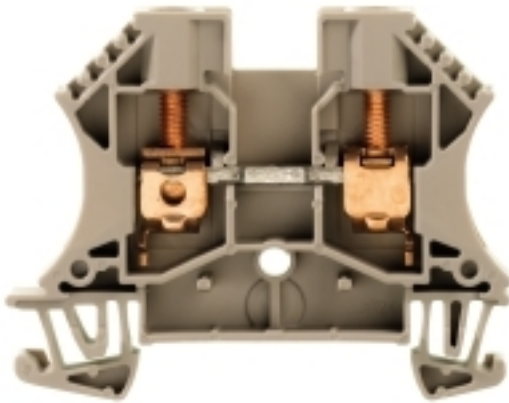


**WDU 6 CUN****Weidmüller Interface GmbH & Co. KG**

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    | Feed-through terminal, Screw connection, 6 mm <sup>2</sup> , 800 V, 41 A, dark beige |
| Order No.  | <a href="#">1025200000</a>                                                           |
| Type       | WDU 6 CUN                                                                            |
| GTIN (EAN) | 4008190160975                                                                        |
| 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 | Net weight     | 14 g       |
| Weight                   | 14.8 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 | dark beige |
| UL 94 flammability rating | V-0   |        |            |

## System specifications

|                                     |                                                                                       |                               |     |
|-------------------------------------|---------------------------------------------------------------------------------------|-------------------------------|-----|
| Version                             | Screw connection,<br>for screwable cross-<br>connection, One end<br>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  |

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

|                                                                                                                  |                     |                                                                                                                  |                     |
|------------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------|---------------------|
| Wire connection cross section, finely<br>stranded with wire-end ferrules DIN<br>46228/1, 2 clampable wires, max. | 2.5 mm <sup>2</sup> | Wire connection cross section, finely<br>stranded with wire-end ferrules DIN<br>46228/1, 2 clampable wires, min. | 0.5 mm <sup>2</sup> |
| Wire connection cross section, finely<br>stranded, two clampable wires, min.                                     | 0.5 mm <sup>2</sup> | Wire cross-section, finely stranded, two<br>clampable wires, max.                                                | 2.5 mm <sup>2</sup> |

## Additional technical data

|                          |       |                             |         |
|--------------------------|-------|-----------------------------|---------|
| Explosion-tested version | Yes   | 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 |
|------------|--------------|

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## Technical data

|                                                      |                                        |                              |                       |        |
|------------------------------------------------------|----------------------------------------|------------------------------|-----------------------|--------|
| Clampable conductor                                  | Connection specification               |                              | Screw connection      |        |
|                                                      | Cross-section for conductor connection | Type                         | solid, H05(07) V-U    |        |
|                                                      |                                        | min.                         | 0.5 mm <sup>2</sup>   |        |
|                                                      |                                        | max.                         | 10 mm <sup>2</sup>    |        |
|                                                      |                                        | nominal                      | 6 mm <sup>2</sup>     |        |
|                                                      | wire end ferrule                       | Stripping length             | min.                  | 12 mm  |
|                                                      |                                        |                              | max.                  | 12 mm  |
|                                                      |                                        |                              | nominal               | 12 mm  |
|                                                      |                                        | Tightening torque            | min.                  | 0.8 Nm |
|                                                      |                                        |                              | max.                  | 1.6 Nm |
|                                                      |                                        | Recommended wire-end ferrule |                       |        |
|                                                      | Connection specification               |                              | Screw connection      |        |
|                                                      | Cross-section for conductor connection | Type                         | stranded, H07V-R      |        |
|                                                      |                                        | min.                         | 1.5 mm <sup>2</sup>   |        |
|                                                      |                                        | max.                         | 10 mm <sup>2</sup>    |        |
|                                                      |                                        | nominal                      | 6 mm <sup>2</sup>     |        |
|                                                      | wire end ferrule                       | Stripping length             | min.                  | 12 mm  |
|                                                      |                                        |                              | max.                  | 12 mm  |
|                                                      |                                        |                              | nominal               | 12 mm  |
|                                                      |                                        | Tightening torque            | min.                  | 0.8 Nm |
|                                                      |                                        |                              | max.                  | 1.6 Nm |
|                                                      |                                        | Recommended wire-end ferrule |                       |        |
|                                                      | Connection specification               |                              | Screw connection      |        |
|                                                      | Cross-section for conductor connection | Type                         | flexible, H05(07) V-K |        |
|                                                      |                                        | min.                         | 0.5 mm <sup>2</sup>   |        |
|                                                      |                                        | max.                         | 10 mm <sup>2</sup>    |        |
|                                                      |                                        | nominal                      | 6 mm <sup>2</sup>     |        |
| wire end ferrule                                     | Stripping length                       | min.                         | 12 mm                 |        |
|                                                      |                                        | max.                         | 12 mm                 |        |
|                                                      |                                        | nominal                      | 12 mm                 |        |
|                                                      | Tightening torque                      | min.                         | 0.8 Nm                |        |
|                                                      |                                        | max.                         | 1.6 Nm                |        |
|                                                      | Recommended wire-end ferrule           |                              |                       |        |
| Clamping range, max.                                 |                                        | 10 mm <sup>2</sup>           |                       |        |
| Clamping range, min.                                 |                                        | 0.22 mm <sup>2</sup>         |                       |        |
| Clamping screw                                       |                                        | M 3.5                        |                       |        |
| Connection cross-section, stranded, min.             |                                        | 1.5 mm <sup>2</sup>          |                       |        |
| Connection direction                                 |                                        | on side                      |                       |        |
| Gauge to IEC 60947-1                                 |                                        | A5                           |                       |        |
| Number of connections                                |                                        | 2                            |                       |        |
| Stripping length                                     |                                        | 12 mm                        |                       |        |
| Tightening torque, max.                              |                                        | 1.6 Nm                       |                       |        |
| Tightening torque, min.                              |                                        | 0.8 Nm                       |                       |        |
| Torque level with DMS electric screwdriver           |                                        | 3                            |                       |        |
| Twin wire-end ferrules, max.                         |                                        | 4 mm <sup>2</sup>            |                       |        |
| Twin wire-end ferrules, min.                         |                                        | 0.5 mm <sup>2</sup>          |                       |        |
| Type of connection                                   |                                        | Screw connection             |                       |        |
| Wire connection cross section AWG, max.              |                                        | AWG 8                        |                       |        |
| Wire connection cross section AWG, min.              |                                        | AWG 26                       |                       |        |
| Wire connection cross section, finely stranded, max. |                                        | 10 mm <sup>2</sup>           |                       |        |

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|                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm <sup>2</sup> |
|-----------------------------------------------------------------------------------------|---------------------|

|                                                                                         |                   |
|-----------------------------------------------------------------------------------------|-------------------|
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 6 mm <sup>2</sup> |
|-----------------------------------------------------------------------------------------|-------------------|

|                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup> |
|-----------------------------------------------------------------------------------------|---------------------|

## Dimensions

|              |       |
|--------------|-------|
| TS 35 offset | 32 mm |
|--------------|-------|

## General

|                                         |       |                                         |               |
|-----------------------------------------|-------|-----------------------------------------|---------------|
| Rail                                    | TS 35 | Standards                               | IEC 60947-7-1 |
| Wire connection cross section AWG, max. | AWG 8 | Wire connection cross section AWG, min. | AWG 26        |

## Rating data

|                                              |         |                                 |                   |
|----------------------------------------------|---------|---------------------------------|-------------------|
| Power loss in accordance with IEC 60947-7-x  | 1.31 W  | Rated cross-section             | 6 mm <sup>2</sup> |
| Rated voltage                                | 800 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 | 8 kV              |
| Pollution severity                           | 3       |                                 |                   |

## UL rating data

|                                         |        |                                         |        |
|-----------------------------------------|--------|-----------------------------------------|--------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 8 AWG  |
| Conductor size Factory wiring min. (UR) | 22 AWG | Conductor size Field wiring max. (UR)   | 8 AWG  |
| Conductor size Field wiring min. (UR)   | 22 AWG | Current size C (UR)                     | 50 A   |
| UL_current_Print                        | 50 A   | UL_voltage_Print                        | 600 V  |
| UL_wire_max_Print                       | 8 AWG  | UL_wire_min_Print                       | 22 AWG |
| Voltage size C (UR)                     | 600 V  |                                         |        |

## 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 |
| UL File Number Search | E60693  |

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## Technical data

### Downloads

Approval/Certificate/Document of  
Conformity

[CB Testreport](#)  
[CB Certificate](#)  
[EAC certificate](#)  
[NEMKO certificate](#)  
[Declaration of Conformity](#)  
[Declaration of Conformity](#)

Engineering Data

[STEP](#)

Engineering Data

[EPLAN, WSCAD, Zuken E3.S](#)

User Documentation

[StorageConditionsTerminalBlocks](#)

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## Drawings

