

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

**General ordering data**

|            |   |
|------------|---|
| Version    | Feed-through terminal, Screw connection, 4 mm <sup>2</sup> , 1000 V, 32 A, dark beige |
| Order No.  | <a href="#">1412960000</a>  |
| Type       | WDU 4 HV  |
| GTIN (EAN) | 4050118237535   |
| Qty.       | 100 pc(s).  |

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Catalogue status 18.08.2023 / We reserve the right to make technical changes.

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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          | 6.1 mm     |
| Width (inches)           | 0.24 inch  | Net weight     | 9.57 g     |

**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, 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                    | No  |
| PE function                         | No   | PEN function                  | No  |

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

|  |                     |  |                     |
|--|---------------------|--|---------------------|
| Cross-section for connected wire, solid, two clampable wires, max.   | 2.5 mm <sup>2</sup> | Cross-section for connected wire, solid, two clampable wires, min.   | 0.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 1.5 mm <sup>2</sup> | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min. | 0.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, two clampable wires, min.                                  | 0.5 mm <sup>2</sup> | Wire cross-section, finely stranded, two clampable wires, max.   | 1.5 mm <sup>2</sup> |

**Additional technical data**

|                             |         |            |       |
|-----------------------------|---------|------------|-------|
| Number of similar terminals | 1       | Open sides | right |
| Type of mounting            | Snap-on |            |       |

**Conductors for clamping (rated connection)**

|            |              |
|------------|--------------|
| Blade size | 0.6 x 3.5 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.                  | 6 mm <sup>2</sup>   |        |
|  |  | nominal               | 4 mm <sup>2</sup>   |        |
|  | wire end ferrule                       | Stripping length      | min.                | 10 mm  |
|  |  |                       | max.                | 10 mm  |
|  |  |                       | nominal             | 10 mm  |
|  |  | Tightening torque     | min.                | 0.5 Nm |
|  | max.                                   |                       | 1 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.                                   | 6 mm <sup>2</sup>     |                     |        |
|  | nominal                                | 4 mm <sup>2</sup>     |                     |        |
| wire end ferrule                                     | Stripping length                       | min.                  | 10 mm               |        |
|  |  | max.                  | 10 mm               |        |
|  |  | nominal               | 10 mm               |        |
|  | Tightening torque                      | min.                  | 0.5 Nm              |        |
| max.   |  | 1 Nm                  |                     |        |
| Recommended wire-end ferrule                         |  |                       |                     |        |
| Connection specification                             |  | Screw connection      |                     |        |
| Cross-section for conductor connection               | Type                                   | flexible, H05(07) V-K |                     |        |
|  | 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 Nm              |        |
| max.   |  | 1 Nm                  |                     |        |
| Recommended wire-end ferrule                         |  |                       |                     |        |
| Clamping range, max.                                 | 6 mm <sup>2</sup>                      |                       |                     |        |
| Clamping range, min.                                 | 0.13 mm <sup>2</sup>                   |                       |                     |        |
| Clamping screw                                       | M 3                                    |                       |                     |        |
| Connection cross-section, stranded, max.             | 6 mm <sup>2</sup>                      |                       |                     |        |
| Connection cross-section, stranded, min.             | 1.5 mm <sup>2</sup>                    |                       |                     |        |
| Connection direction                                 | on side                                |                       |                     |        |
| Gauge to IEC 60947-1                                 | A4                                     |                       |                     |        |
| Number of connections                                | 2                                      |                       |                     |        |
| Stripping length                                     | 10 mm                                  |                       |                     |        |
| Tightening torque, max.                              | 1 Nm                                   |                       |                     |        |
| Tightening torque, min.                              | 0.5 Nm                                 |                       |                     |        |
| Torque level with DMS electric screwdriver           | 2                                      |                       |                     |        |
| Twin wire-end ferrules, max.                         | 2.5 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 10                                 |                       |                     |        |
| Wire connection cross section AWG, min.              | AWG 26                                 |                       |                     |        |
| Wire connection cross section, finely stranded, max. | 6 mm <sup>2</sup>                      |                       |                     |        |

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## Data sheet

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|   |                     |
|---|---------------------|
| Wire connection cross section, finely stranded, min.                                    | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 4 mm <sup>2</sup>   |
| 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. | 4 mm <sup>2</sup>   |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, 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 |
| Wire connection cross section AWG, max. | AWG 10 | Wire connection cross section AWG, min. | AWG 26        |

### Rating data

|  |                   |                                 |               |
|--|-------------------|---------------------------------|---------------|
| Rated cross-section                          | 4 mm <sup>2</sup> | Rated voltage                   | 1,000 V       |
| Rated DC voltage                             | 1,000 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 mΩ              | Rated impulse withstand voltage | 8 kV          |
| Power loss in accordance with IEC 60947-7-x  | 1.02 W            | Pollution severity              | 3             |

### 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 |

### Approvals

Approvals



ROHS

Conform

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**Technical data****Downloads**

|   |   |
|---|---|
| Approval/Certificate/Document of Conformity | <a href="#">POLSKIREJ certificate</a><br><a href="#">CE Declaration of Conformity</a><br><a href="#">CE Declaration of Conformity all terminals</a><br><a href="#">UKCA declaration of conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>   |
| Engineering Data                            | <a href="#">Zuken E3.S</a>  |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>   |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>  |
| Brochures                                   |   |

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**Drawings**

