

**WDU 16N GE/SW****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Our protective earth conductor and shielding terminals featuring different connection technologies allow you to effectively protect both people and equipment from interference, such as electrical or magnetic fields. A comprehensive range of accessories rounds off our range.

**General ordering data**

|            |                                                                                          |
|------------|------------------------------------------------------------------------------------------|
| Version    | Feed-through terminal, Screw connection, 16 mm <sup>2</sup> , 690 V, 76 A, yellow, black |
| Order No.  | <a href="#">2000050000</a>                                                               |
| Type       | WDU 16N GE/SW                                                                            |
| GTIN (EAN) | 4050118444520                                                                            |
| 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     | 24.08 g    |
| Width                    | 12 mm      | Width (inches) | 0.472 inch |

## Temperatures

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature              | -25 °C...55 °C | Continuous operating temp., min. | -50 °C |
| Continuous operating temp., max. | 120 °C         |                                  |        |

## Material data

|                           |       |        |               |
|---------------------------|-------|--------|---------------|
| Material                  | Wemid | Colour | yellow, black |
| UL 94 flammability rating | V-0   |        |               |

## System specifications

|                                     |                                                     |                               |     |
|-------------------------------------|-----------------------------------------------------|-------------------------------|-----|
| Version                             | Screw connection,<br>for screwable cross-connection | End cover plate required      | No  |
| 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                  | Yes |

## Additional technical data

|                  |         |
|------------------|---------|
| Type of mounting | Snap-on |
|------------------|---------|

## Conductors for clamping (rated connection)

|                                                                                         |                     |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | 1.0 x 5.5 mm        | Clamping range, max.                                                                    | 25 mm <sup>2</sup>  |
| Clamping range, min.                                                                    | 1.5 mm <sup>2</sup> | Clamping screw                                                                          | M 4                 |
| Connection cross-section, stranded, max.                                                | 25 mm <sup>2</sup>  | Connection cross-section, stranded, min.                                                | 1.5 mm <sup>2</sup> |
| Connection direction                                                                    | on side             | Gauge to IEC 60947-1                                                                    | B7                  |
| Number of connections                                                                   | 2                   | Stripping length                                                                        | 12 mm               |
| Tightening torque, max.                                                                 | 2.4 Nm              | Tightening torque, min.                                                                 | 1.2 Nm              |
| Torque level with DMS electric screwdriver                                              | 4                   | Type of connection                                                                      | Screw connection    |
| Wire connection cross section AWG, max.                                                 | AWG 6               | Wire connection cross section AWG, min.                                                 | AWG 14              |
| Wire connection cross section, finely stranded, max.                                    | 16 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 16 mm <sup>2</sup>  |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 1.5 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 16 mm <sup>2</sup>  |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 1.5 mm <sup>2</sup> | Wire connection cross-section, solid core, max.                                         | 16 mm <sup>2</sup>  |
| Wire connection cross-section, solid core, min.                                         | 1.5 mm <sup>2</sup> |                                                                                         |                     |

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## Technical data

## General

|                                         |       |                                         |               |
|-----------------------------------------|-------|-----------------------------------------|---------------|
| Rail                                    | TS 35 | Standards                               | IEC 60947-7-1 |
| Wire connection cross section AWG, max. | AWG 6 | Wire connection cross section AWG, min. | AWG 14        |

## Rating data

|                                              |         |                                 |                    |
|----------------------------------------------|---------|---------------------------------|--------------------|
| Power loss in accordance with IEC 60947-7-x  | 2.43 W  | Rated cross-section             | 16 mm <sup>2</sup> |
| Rated voltage                                | 690 V   | Rated current                   | 76 A               |
| Current at maximum wires                     | 101 A   | Standards                       | IEC 60947-7-1      |
| Volume resistance according to IEC 60947-7-x | 0.42 mΩ | Rated impulse withstand voltage | 8 kV               |
| Pollution severity                           | 3       |                                 |                    |

## UL rating data

|                                         |        |                                         |       |
|-----------------------------------------|--------|-----------------------------------------|-------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 6 AWG |
| Conductor size Factory wiring min. (UR) | 14 AWG | Conductor size Field wiring max. (UR)   | 6 AWG |
| Conductor size Field wiring min. (UR)   | 14 AWG | Current size B (UR)                     | 70 A  |
| Current size C (UR)                     | 70 A   | Voltage size B (UR)                     | 600 V |
| 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  |

## Downloads

|                                             |                                                 |
|---------------------------------------------|-------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Declaration of Conformity</a>       |
| Engineering Data                            | <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="#">StorageConditionsTerminalBlocks</a> |