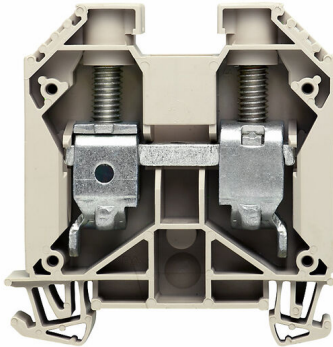


**WDU 35/IK/ZA****Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com

**Product image**

More and more components need to be housed within a confined space, in switchgear and panels. As part of the power feed-in, connecting conductors is becoming increasingly challenging, especially for large cross-sections. Our comprehensive range of connection solutions also enables convenient wiring in challenging space conditions. The compact design and the combination of many practical handling benefits make the supply of power to switchgear and panels simple, efficient, and space-saving.

**General ordering data**

|            |                                                                                                            |
|------------|------------------------------------------------------------------------------------------------------------|
| Version    | Feed-through terminal block, Screw connection, dark beige, 35 mm², 125 A, 1000 V, Number of connections: 2 |
| Order No.  | <a href="#">1029000000</a>                                                                                 |
| Type       | WDU 35/IK/ZA                                                                                               |
| GTIN (EAN) | 4008190124045                                                                                              |
| Qty.       | 25 items                                                                                                   |

## Technical data

### Approvals

Approvals



|                       |                            |
|-----------------------|----------------------------|
| ROHS                  | Conform                    |
| UL File Number Search | <a href="#">UL Website</a> |
| Certificate No. (UR)  | E60693                     |

### Dimensions and weights

|                          |             |                |             |
|--------------------------|-------------|----------------|-------------|
| Depth                    | 62.5 mm     | Depth (inches) | 2.4606 inch |
| Depth including DIN rail | 63 mm       | Height         | 60 mm       |
| Height (inches)          | 2.3622 inch | Width          | 16 mm       |
| Width (inches)           | 0.6299 inch | Net weight     | 52.44 g     |

### Temperatures

|                                  |                |                                  |                |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -60 °C...85 °C |
| Continuous operating temp., min. | -60 °C         | Continuous operating temp., max. | 130 °C         |

### Environmental Product Compliance

|                          |                                 |
|--------------------------|---------------------------------|
| RoHS Compliance Status   | Compliant without exemption     |
| REACH SVHC               | No SVHC above 0.1 wt%           |
| Product Carbon Footprint | Cradle to gate 0,373 kg CO2 eq. |

### Material data

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Basic 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)            | 690 V              | Current (ATEX)                  | 115 A              |
| Wire cross section max. (ATEX) | 35 mm <sup>2</sup> | Max. voltage (IECEX)            | 690 V              |
| Current (IECEX)                | 115 A              | Wire cross section max. (IECEX) | 35 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, for screwable cross-connection, With assembly peg, 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  |
| Mounting rail                       | TS 35                                                                                          | N-function                    | No  |
| PE function                         | No                                                                                             | PEN function                  | Yes |

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## Technical data

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

|                                                                                                            |                    |                                                                                                            |                     |
|------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------|---------------------|
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 16 mm <sup>2</sup> | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min. | 2.5 mm <sup>2</sup> |
| Wire cross-section, finely stranded, two clampable wires, max.                                             | 16 mm <sup>2</sup> | Wire connection cross section, finely stranded, two clampable wires, min.                                  | 2.5 mm <sup>2</sup> |
| Cross-section for connected wire, stranded, two clampable wires, max.                                      | 16 mm <sup>2</sup> | Cross-section for connected wire, stranded, two clampable wires, min.                                      | 16 mm <sup>2</sup>  |

## Additional technical data

|                          |       |                             |         |
|--------------------------|-------|-----------------------------|---------|
| Open sides               | right | Number of similar terminals | 1       |
| Explosion-tested version | Yes   | Type of mounting            | Snap-on |

## CSA rating data

|                       |                |                               |        |
|-----------------------|----------------|-------------------------------|--------|
| Voltage size C (CSA)  | 600 V          | Current size C (CSA)          | 150 A  |
| Certificate No. (CSA) | 200039-1057876 | Wire cross section min. (CSA) | 12 AWG |

## Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

## Conductors for clamping (rated connection)

|                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|
| Gauge to IEC 60947-1                                                                    | B8, B9              |
| Wire connection cross section AWG, max.                                                 | AWG 10              |
| Connection direction                                                                    | on side             |
| Tightening torque, max.                                                                 | 6 Nm                |
| Tightening torque, min.                                                                 | 4 Nm                |
| Stripping length                                                                        | 18 mm               |
| Type of connection                                                                      | Screw connection    |
| Number of connections                                                                   | 2                   |
| Clamping range, max.                                                                    | 50 mm <sup>2</sup>  |
| Clamping range, min.                                                                    | 2.5 mm <sup>2</sup> |
| Clamping screw                                                                          | M 6                 |
| Blade size                                                                              | S4 (DIN 6911)       |
| Wire connection cross section AWG, min.                                                 | AWG 12              |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 35 mm <sup>2</sup>  |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 2.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 35 mm <sup>2</sup>  |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 2.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max.                                    | 35 mm <sup>2</sup>  |
| Wire connection cross section, finely stranded, min.                                    | 2.5 mm <sup>2</sup> |
| Connection cross-section, stranded, max.                                                | 50 mm <sup>2</sup>  |
| Connection cross-section, stranded, min.                                                | 2.5 mm <sup>2</sup> |

## WDU 35/IK/ZA

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## Technical data

| Twin wire-end ferrules, max.                    | 16 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------|------|-------|------|-------|---------|-------|-------------------|--------------------------------------------------------------------------------------------|------|------|------|------|
| Twin wire-end ferrules, min.                    | 1.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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                                                                                                                                                                                                                                                                                                              |                  |                                                                                                                                       |      |       |      |       |         |       |                   |                                                                                            |      |      |      |      |
| Wire connection cross-section, solid core, max. | 16 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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                                                                                                                                                                                                                                                                                                              |                  |                                                                                                                                       |      |       |      |       |         |       |                   |                                                                                            |      |      |      |      |
| Wire connection cross-section, solid core, min. | 2.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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                                                                                                                                                                                                                                                                                                              |                  |                                                                                                                                       |      |       |      |       |         |       |                   |                                                                                            |      |      |      |      |
| Connection cross-section, finely stranded, min. | 2.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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                                                                                                                                                                                                                                                                                                              |                  |                                                                                                                                       |      |       |      |       |         |       |                   |                                                                                            |      |      |      |      |
| Clampable conductor                             | <table> <tr> <th>Connection specification</th><th>Screw connection</th></tr> <tr> <td>Cross-section for conductor connection</td><td> <table> <tr> <td>Type</td><td>solid, H05(07) V-U</td></tr> <tr> <td>min.</td><td>2.5 mm<sup>2</sup></td></tr> <tr> <td>max.</td><td>16 mm<sup>2</sup></td></tr> <tr> <td>nominal</td><td>35 mm<sup>2</sup></td></tr> </table> </td></tr> <tr> <td>wire end ferrule</td><td> <table> <tr> <td>Stripping length</td><td> <table> <tr> <td>min.</td><td>18 mm</td></tr> <tr> <td>max.</td><td>18 mm</td></tr> <tr> <td>nominal</td><td>18 mm</td></tr> </table> </td></tr> <tr> <td>Tightening torque</td><td> <table> <tr> <td>min.</td><td>4 Nm</td></tr> <tr> <td>max.</td><td>6 Nm</td></tr> </table> </td></tr> </table> </td></tr> <tr> <td>Cross-section for conductor connection</td><td> <table> <tr> <td>Type</td><td>stranded, H07V-R</td></tr> <tr> <td>min.</td><td>2.5 mm<sup>2</sup></td></tr> <tr> <td>max.</td><td>50 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| Connection specification                        | Screw connection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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                                                                                                                                                                                                                                                                                                              |                  |                                                                                                                                       |      |       |      |       |         |       |                   |                                                                                            |      |      |      |      |
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                                                                                                                                                      | Type                     | solid, H05(07) V-U                                                                                                                    | min.                                   | 2.5 mm <sup>2</sup>                                                                                                                                                                                                           | max.    | 16 mm <sup>2</sup> | nominal | 35 mm <sup>2</sup>  |                   |                                                                                            |         |                    |                  |                                                                                                                                                                                                                                                                                                                                                |                  |                                                                                                                                       |      |       |      |       |         |       |                   |                                                                                            |      |      |      |      |                                        |                                                                                                                                                                                                                             |      |                  |      |                     |      |                    |         |                    |                  |                                                                                                                        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                                                                                                                                                                                                                                                                                                              |                  |                                                                                                                                       |      |       |      |       |         |       |                   |                                                                                            |      |      |      |      |
| Type                                            | solid, H05(07) V-U                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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                                                                                                                                                                                                                                                                                                              |                  |                                                                                                                                       |      |       |      |       |         |       |                   |                                                                                            |      |      |      |      |
| min.                                            | 2.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| max.                                            | 16 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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| nominal                                         | 35 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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| wire end ferrule                                | <table> <tr> <td>Stripping length</td><td> <table> <tr> <td>min.</td><td>18 mm</td></tr> <tr> <td>max.</td><td>18 mm</td></tr> <tr> <td>nominal</td><td>18 mm</td></tr> </table> </td></tr> <tr> <td>Tightening torque</td><td> <table> <tr> <td>min.</td><td>4 Nm</td></tr> <tr> <td>max.</td><td>6 Nm</td></tr> </table> </td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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| Tightening torque                               | <table> <tr> <td>min.</td><td>4 Nm</td></tr> <tr> <td>max.</td><td>6 Nm</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| max.                                            | 6 Nm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| Cross-section for conductor connection          | <table> <tr> <td>Type</td><td>stranded, H07V-R</td></tr> <tr> <td>min.</td><td>2.5 mm<sup>2</sup></td></tr> <tr> <td>max.</td><td>50 mm<sup>2</sup></td></tr> <tr> <td>nominal</td><td>35 mm<sup>2</sup></td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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| Type                                            | stranded, H07V-R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| max.                                            | 50 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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| nominal                                         | 35 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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| wire end ferrule                                | <table> <tr> <td>Stripping length</td><td> <table> <tr> <td>min.</td><td>18 mm</td></tr> <tr> <td>max.</td><td>18 mm</td></tr> <tr> <td>nominal</td><td>18 mm</td></tr> </table> </td></tr> <tr> <td>Tightening torque</td><td> <table> <tr> <td>min.</td><td>4 Nm</td></tr> <tr> <td>max.</td><td>6 Nm</td></tr> </table> </td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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| nominal                                         | 18 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| Tightening torque                               | <table> <tr> <td>min.</td><td>4 Nm</td></tr> <tr> <td>max.</td><td>6 Nm</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | min.                     | 4 Nm                                                                                                                                  | max.                                   | 6 Nm                                                                                                                                                                                                                          |         |                    |         |                     |                   |                                                                                            |         |                    |                  |                                                                                                                                                                                                                                                                                                                                                |                  |                                                                                                                                       |      |       |      |       |         |       |                   |                                                                                            |      |      |      |      |                                        |                                                                                                                                                                                                                             |      |                  |      |                     |      |                    |         |                    |                  |                                                                                                                        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| min.                                            | 4 Nm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| max.                                            | 6 Nm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| Cross-section for conductor connection          | <table> <tr> <td>Type</td><td>flexible, H05(07) V-K</td></tr> <tr> <td>min.</td><td>2.5 mm<sup>2</sup></td></tr> <tr> <td>max.</td><td>35 mm<sup>2</sup></td></tr> <tr> <td>nominal</td><td>35 mm<sup>2</sup></td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Type                     | flexible, H05(07) V-K                                                                                                                 | min.                                   | 2.5 mm <sup>2</sup>                                                                                                                                                                                                           | max.    | 35 mm <sup>2</sup> | nominal | 35 mm <sup>2</sup>  |                   |                                                                                            |         |                    |                  |                                                                                                                                                                                                                                                                                                                                                |                  |                                                                                                                                       |      |       |      |       |         |       |                   |                                                                                            |      |      |      |      |                                        |                                                                                                                                                                                                                             |      |                  |      |                     |      |                    |         |                    |                  |                                                                                                                        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                                                                                                                                                                                                                                                                                                              |                  |                                                                                                                                       |      |       |      |       |         |       |                   |                                                                                            |      |      |      |      |
| Type                                            | flexible, H05(07) V-K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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                                                                                                                                                                                                                                                                                                              |                  |                                                                                                                                       |      |       |      |       |         |       |                   |                                                                                            |      |      |      |      |
| min.                                            | 2.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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                                                                                                                                                                                                                                                                                                              |                  |                                                                                                                                       |      |       |      |       |         |       |                   |                                                                                            |      |      |      |      |
| max.                                            | 35 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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                                                                                                                                                                                                                                                                                                              |                  |                                                                                                                                       |      |       |      |       |         |       |                   |                                                                                            |      |      |      |      |
| nominal                                         | 35 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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                                                                                                                                                                                                                                                                                                              |                  |                                                                                                                                       |      |       |      |       |         |       |                   |                                                                                            |      |      |      |      |
| wire end ferrule                                | <table> <tr> <td>Stripping length</td><td> <table> <tr> <td>min.</td><td>18 mm</td></tr> <tr> <td>max.</td><td>18 mm</td></tr> <tr> <td>nominal</td><td>18 mm</td></tr> </table> </td></tr> <tr> <td>Tightening torque</td><td> <table> <tr> <td>min.</td><td>4 Nm</td></tr> <tr> <td>max.</td><td>6 Nm</td></tr> </table> </td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Stripping length         | <table> <tr> <td>min.</td><td>18 mm</td></tr> <tr> <td>max.</td><td>18 mm</td></tr> <tr> <td>nominal</td><td>18 mm</td></tr> </table> | min.                                   | 18 mm                                                                                                                                                                                                                         | max.    | 18 mm              | nominal | 18 mm               | Tightening torque | <table> <tr> <td>min.</td><td>4 Nm</td></tr> <tr> <td>max.</td><td>6 Nm</td></tr> </table> | min.    | 4 Nm               | max.             | 6 Nm                                                                                                                                                                                                                                                                                                                                           |                  |                                                                                                                                       |      |       |      |       |         |       |                   |                                                                                            |      |      |      |      |                                        |                                                                                                                                                                                                                             |      |                  |      |                     |      |                    |         |                    |                  |                                                                                                                        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| Stripping length                                | <table> <tr> <td>min.</td><td>18 mm</td></tr> <tr> <td>max.</td><td>18 mm</td></tr> <tr> <td>nominal</td><td>18 mm</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | min.                     | 18 mm                                                                                                                                 | max.                                   | 18 mm                                                                                                                                                                                                                         | nominal | 18 mm              |         |                     |                   |                                                                                            |         |                    |                  |                                                                                                                                                                                                    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                                                                                                                                                                                                                                                                                                              |                  |                                                                                                                                       |      |       |      |       |         |       |                   |                                                                                            |      |      |      |      |
| min.                                            | 18 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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                                                                                                                                                                                                                                                                                                              |                  |                                                                                                                                       |      |       |      |       |         |       |                   |                                                                                            |      |      |      |      |
| max.                                            | 18 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                                                                                                                                                                                                                                                                                              |                  |                                                                                                                                       |      |       |      |       |         |       |                   |                                                                                            |      |      |      |      |
| nominal                                         | 18 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| Tightening torque                               | <table> <tr> <td>min.</td><td>4 Nm</td></tr> <tr> <td>max.</td><td>6 Nm</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | min.                     | 4 Nm                                                                                                                                  | max.                                   | 6 Nm                                                                                                                                                                                                                          |         |                    |         |                     |                   |                                                                                            |         |                    |                  |                                                                                                                                                                                                                                                                                                                                                |                  |                                                                                                                                       |      |       |      |       |         |       |                   |                                                                                            |      |      |      |      |                                        |                                                                                                                                                                                                                             |      |                  |      |                     |      |                    |         |                    |                  |                                                                                                                        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                                                                                                                                                                                                                                                                                                              |                  |                                                                                                                                       |      |       |      |       |         |       |                   |                                                                                            |      |      |      |      |
| min.                                            | 4 Nm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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                                                                                                                                                                                                                                                                                                              |                  |                                                                                                                                       |      |       |      |       |         |       |                   |                                                                                            |      |      |      |      |
| max.                                            | 6 Nm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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## General

|                                         |               |                                         |        |
|-----------------------------------------|---------------|-----------------------------------------|--------|
| Wire connection cross section AWG, max. | AWG 10        | Wire connection cross section AWG, min. | AWG 12 |
| Standards                               | IEC 60947-7-1 | Mounting rail                           | TS 35  |

## Rating data

|                                              |                    |                                 |               |
|----------------------------------------------|--------------------|---------------------------------|---------------|
| Rated cross-section                          | 35 mm <sup>2</sup> | Rated voltage                   | 1000 V        |
| Rated DC voltage                             | 1000 V             | Nominal current                 | 125 A         |
| Current at maximum wires                     | 150 A              | Standards                       | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 0.26 mΩ            | Rated impulse withstand voltage | 8 kV          |
| Power loss in accordance with IEC 60947-7-x  | 4.00 W             | Pollution severity              | 3             |

## UL rating data

|                     |       |                              |        |
|---------------------|-------|------------------------------|--------|
| Voltage size B (UR) | 600 V | Wire cross section min. (UR) | 12 AWG |
| Current size B (UR) | 150 A | Wire cross section max. (UR) | 0 AWG  |

**WDU 35/IK/ZA****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Technical data**

|                                         |        |                      |        |
|-----------------------------------------|--------|----------------------|--------|
| Current size C (UR)                     | 150 A  | Voltage size C (UR)  | 600 V  |
| Conductor size Factory wiring min. (UR) | 12 AWG | Certificate No. (UR) | E60693 |
| Conductor size Field wiring min. (UR)   | 12 AWG |                      |        |

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC000897    | ETIM 9.0    | EC000897    |
| ETIM 10.0   | EC000897    | ECLASS 14.0 | 27-25-01-01 |
| ECLASS 15.0 | 27-25-01-01 |             |             |

Drawings

