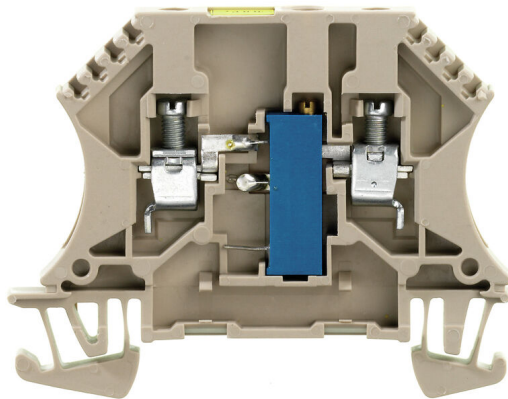


**WDUL 4/500K****Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com

**Product image**

Fuse terminal blocks and component terminal blocks allow protective and functional elements to be integrated directly into the terminal strip. Fuse terminal blocks include built-in fuse holders to reliably protect electrical circuits against overload —ideal for control and distribution systems. Component terminal blocks make it possible to incorporate electronic components such as diodes, resistors, or LEDs directly into the wiring. This enables space-saving and clearly arranged implementation of switching functions and signal separation. Both types of terminal blocks ensure higher safety, easy maintenance, and a compact, function-oriented installation.

**General ordering data**

|            |                                                                                                                                                |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | Component terminal block, Screw connection, dark beige, 4 mm <sup>2</sup> , 250 V, 250 V, Number of connections: 2, Number of levels: 1, TS 35 |
| Order No.  | <a href="#">1028000000</a>                                                                                                                     |
| Type       | WDUL 4/500K                                                                                                                                    |
| GTIN (EAN) | 4008190121433                                                                                                                                  |
| Qty.       | 10 items                                                                                                                                       |

## Technical data

### Approvals

Approvals



|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

### Dimensions and weights

|                          |             |                |             |
|--------------------------|-------------|----------------|-------------|
| Depth                    | 46.5 mm     | Depth (inches) | 1.8307 inch |
| Depth including DIN rail | 47 mm       | Height         | 60 mm       |
| Height (inches)          | 2.3622 inch | Width          | 6.5 mm      |
| Width (inches)           | 0.2559 inch | Net weight     | 12.7 g      |

### Temperatures

|                                  |                |                                  |                |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -50 °C...75 °C |
| Continuous operating temp., min. | -50 °C         | Continuous operating temp., max. | 120 °C         |

### Environmental Product Compliance

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6c, 7cl, 34                          |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | c6099607-b1cd-4fc8-8f5b-8c2defa73093 |

### Material data

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Basic material            | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0   |        |            |

### System specifications

|                                     |                                                                                             |                               |     |
|-------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------|-----|
| Version                             | Screw connection,<br>Compensating terminals,<br>With resistor, One end<br>without connector | End cover plate required      | Yes |
| Number of potentials                | 1                                                                                           | Number of levels              | 1   |
| Number of clamping points per level | 2                                                                                           | Number of potentials per tier | 1   |
| Levels cross-connected internally   | No                                                                                          | PE connection                 | No  |
| Mounting rail                       | TS 35                                                                                       | N-function                    | No  |
| PE function                         | No                                                                                          | PEN function                  | No  |

### Additional technical data

|                          |       |                             |         |
|--------------------------|-------|-----------------------------|---------|
| Open sides               | right | Number of similar terminals | 1       |
| Explosion-tested version | No    | Type of mounting            | Snap-on |

### Conductors for clamping (rated connection)

|                         |                  |                                         |                  |
|-------------------------|------------------|-----------------------------------------|------------------|
| Gauge to IEC 60947-1    | A4               | Wire connection cross section AWG, max. | AWG 12           |
| Connection direction    | on side          | Tightening torque, max.                 | 0.8 Nm           |
| Tightening torque, min. | 0.6 Nm           | Stripping length                        | 9 mm             |
| Type of connection 2    | Screw connection | Type of connection                      | Screw connection |

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## Technical data

|                                                                                         |                      |                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|----------------------|
| Number of connections                                                                   | 2                    | Clamping range, max.                                                                    | 6 mm <sup>2</sup>    |
| Clamping range, min.                                                                    | 0.13 mm <sup>2</sup> | Clamping screw                                                                          | M 3                  |
| Blade size                                                                              | 0.6 x 3.5 mm         | Wire connection cross section AWG, min.                                                 | AWG 22               |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.13 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.13 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max.                                    | 4 mm <sup>2</sup>    | Wire connection cross section, finely stranded, min.                                    | 0.13 mm <sup>2</sup> |
| Connection cross-section, stranded, max.                                                | 6 mm <sup>2</sup>    | Connection cross-section, stranded, min.                                                | 0.13 mm <sup>2</sup> |
| Wire connection cross-section, solid core, max.                                         | 6 mm <sup>2</sup>    | Wire connection cross-section, solid core, min.                                         | 0.13 mm <sup>2</sup> |
| Connection cross-section, finely stranded, max.                                         | 4 mm <sup>2</sup>    | Connection cross-section, finely stranded, min.                                         | 0.13 mm <sup>2</sup> |

## Dimensions

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

## General

|                                         |               |                                         |        |
|-----------------------------------------|---------------|-----------------------------------------|--------|
| Wire connection cross section AWG, max. | AWG 12        | Wire connection cross section AWG, min. | AWG 22 |
| Standards                               | IEC 60947-7-1 | Mounting rail                           | TS 35  |

## Rating data

|                                              |                   |                                             |               |
|----------------------------------------------|-------------------|---------------------------------------------|---------------|
| Rated cross-section                          | 4 mm <sup>2</sup> | Rated voltage                               | 250 V         |
| Rated DC voltage                             | 250 V             | Nominal current                             | 120 mA        |
| Current at maximum wires                     | 6 A               | Standards                                   | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1 mΩ              | Power loss in accordance with IEC 60947-7-x | 1.02 W        |
| Surge voltage category                       | III               | Pollution severity                          | 3             |

## Important note

|                     |                                                               |
|---------------------|---------------------------------------------------------------|
| Product information | The allowed continuous operating temperature must be observed |
|---------------------|---------------------------------------------------------------|

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC000903    | ETIM 9.0    | EC000903    |
| ETIM 10.0   | EC000903    | ECLASS 14.0 | 27-25-01-14 |
| ECLASS 15.0 | 27-25-01-14 |             |             |

Drawings

