

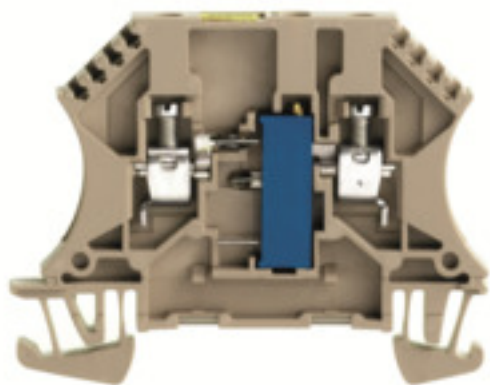
**WDUL 4/1K****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

Why not integrating simple electrical functions into a feed through terminal. It has the same slim design of our feed-through terminal blocks - with additional functions such as cross-connections that can be used. Often, you only need a small component to integrate an external device into your automation technology. Our modular terminal blocks with electronic components make this possible; quickly, simply, and with a perfect fit.

**General ordering data**

|            |                                                                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | Component terminal block, Screw connection, dark beige, 4 mm <sup>2</sup> , 250 V, Number of connections: 2, Number of levels: 1, TS 35, V-0, Wemid |
| Order No.  | <a href="#">1027500000</a>                                                                                                                          |
| Type       | WDUL 4/1K                                                                                                                                           |
| GTIN (EAN) | 4008190041007                                                                                                                                       |
| Qty.       | 10 pièce(s)                                                                                                                                         |

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## Caractéristiques techniques

## Dimensions and weights

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 46,5 mm    | Depth (inches) | 1,831 inch |
| Depth including DIN rail | 47 mm      | Height         | 60 mm      |
| Height (inches)          | 2,362 inch | Width          | 6,5 mm     |
| Width (inches)           | 0,256 inch | Net weight     | 11 g       |

## Temperatures

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

## Material data

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

## System specifications

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

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

|                                                                                                            |                     |                                                                                                            |                     |
|------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------|---------------------|
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 1,5 mm <sup>2</sup> | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min. | 0,5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, two clampable wires, min.                                  | 0,5 mm <sup>2</sup> | Wire cross-section, finely stranded, two clampable wires, max.                                             | 1,5 mm <sup>2</sup> |

## Additional technical data

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

## Component

|                         |                    |                            |
|-------------------------|--------------------|----------------------------|
| Component potentiometer | Type potentiometer | Trim potentiometer, linear |
|                         | Resistance         | 1 kΩ                       |
|                         | Tolerance (%)      | 10 %                       |

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## Caractéristiques techniques

## Conductors for clamping (rated connection)

|                                                                                         |                      |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | 0.6 x 3.5 mm         | Clamping range, max.                                                                    | 6 mm <sup>2</sup>   |
| Clamping range, min.                                                                    | 0,13 mm <sup>2</sup> | Clamping screw                                                                          | M 3                 |
| Connection cross-section, finely stranded, max.                                         | 4 mm <sup>2</sup>    | Connection cross-section, finely stranded, min.                                         | 0,5 mm <sup>2</sup> |
| Connection cross-section, stranded, max.                                                | 6 mm <sup>2</sup>    | Connection cross-section, stranded, min.                                                | 1,5 mm <sup>2</sup> |
| Connection direction                                                                    | on side              | Gauge to IEC 60947-1                                                                    | A4                  |
| Number of connections                                                                   | 2                    | Stripping length                                                                        | 9 mm                |
| Tightening torque, max.                                                                 | 0,8 Nm               | Tightening torque, min.                                                                 | 0,6 Nm              |
| Type of connection                                                                      | Screw connection     | Type of connection 2                                                                    | Screw connection    |
| Wire connection cross section AWG, max.                                                 | AWG 12               | Wire connection cross section AWG, min.                                                 | AWG 22              |
| Wire connection cross section, finely stranded, max.                                    | 4 mm <sup>2</sup>    | Wire connection cross section, finely stranded, min.                                    | 0,5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2,5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0,5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2,5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0,5 mm <sup>2</sup> |
| Wire connection cross-section, solid core, max.                                         | 6 mm <sup>2</sup>    | Wire connection cross-section, solid core, min.                                         | 0,5 mm <sup>2</sup> |

## Dimensions

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

## General

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

## Rating data

|                                             |                   |                                              |       |
|---------------------------------------------|-------------------|----------------------------------------------|-------|
| Rated cross-section                         | 4 mm <sup>2</sup> | Rated voltage                                | 250 V |
| Rated 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            | Pollution severity                           | 3     |
| Surge voltage category                      | III               |                                              |       |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000903    | ETIM 7.0    | EC000903    |
| ETIM 8.0    | EC000903    | ETIM 9.0    | EC000903    |
| ECLASS 9.0  | 27-14-11-27 | ECLASS 9.1  | 27-14-11-47 |
| ECLASS 10.0 | 27-14-11-27 | ECLASS 11.0 | 27-14-11-27 |
| ECLASS 12.0 | 27-14-11-27 | ECLASS 13.0 | 27-25-01-14 |
| ECLASS 14.0 | 27-25-01-14 |             |             |

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## Caractéristiques techniques

## 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 |

## Important note

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

## Approvals

Approvals



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

## Downloads

|                                             |                                                                                                                                                                |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">CE Declaration of Conformity</a><br><a href="#">UKCA declaration of conformity</a><br><a href="#">Confirmation of Standards EN 45545-2_2020-10</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                                                |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>                                                                                                                |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                       |
| Brochures                                   |                                                                                                                                                                |

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## Dessins

