

## Component terminal block - UDK 4-DUR 5K1 - 2776032

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1-level terminal block with double connection on both sides, with built-in resistor 5.1 kΩ, ±0.1%, 0.6 W, cross section: 0.2 ... 2.5 mm<sup>2</sup>, width: 6.2 mm, color: gray

The figure shows a version of the article

### Your advantages

- ✓ The four-conductor connection enables user-friendly wiring
- ✓ The constant circuits common in process automation transmit the measured values as a load-independent current of 0 - 20 mA
- ✓ The lower level is assigned to the measuring line while the upper level is used for voltage pick-off via the 5.1 kOhm resistor
- ✓ A voltage signal pick-off can be implemented in the measuring line using this terminal block, enabling the signal to be used as an analog signal for process computers



### Key Commercial Data

|                        |               |
|------------------------|---------------|
| Packing unit           | 50 pc         |
| Minimum order quantity | 50 pc         |
| GTIN                   |               |
| GTIN                   | 4055626165738 |

### Technical data

#### General

|  |   |
|--|---|
| Number of levels                       | 1   |
| Number of connections                  | 4   |
| Potentials                             | 1   |
| Nominal cross section                  | 4 mm <sup>2</sup>                               |
| Color                                  | gray  |
| Insulating material                    | PA  |
| Flammability rating according to UL 94 | V2  |
| Maximum load current                   | the current is determined by the component used |
| Rated surge voltage                    | 6 kV  |

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## Technical data

### General

|   |   |
|---|---|
| Degree of pollution                             | 3   |
| Overvoltage category                            | III   |
| Insulating material group                       | I   |
| Maximum power dissipation for nominal condition | 1.02 W  |
| Designation                                     | Level 1 above 1+2 below 1+2                             |
| Maximum load current                            | 10 mA (the current is determined by the component used) |
| Nominal current $I_N$                           | 32 A (the current is determined by the component used)  |
| Nominal voltage $U_N$                           | 630 V   |
| Open side panel                                 | Yes   |

### Dimensions

|                  |         |
|------------------|---------|
| Width            | 6.2 mm  |
| End cover width  | 1.5 mm  |
| Length           | 63.5 mm |
| Height NS 35/7,5 | 47 mm   |
| Height NS 35/15  | 54.5 mm |
| Height NS 32     | 52 mm   |

### Connection data

|  |                      |
|--|----------------------|
| Connection   | 1 level              |
| Connection method  | Screw connection     |
| Screw thread   | M3                   |
| Stripping length   | 8 mm                 |
| Tightening torque, min   | 0.5 Nm               |
| Tightening torque max  | 0.6 Nm               |
| Connection in acc. with standard   | IEC 60947-7-1        |
| Conductor cross section solid min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.   | 6 mm <sup>2</sup>    |
| Conductor cross section AWG min.   | 24                   |
| Conductor cross section AWG max.   | 10                   |
| Conductor cross section flexible min.                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.                                      | 4 mm <sup>2</sup>    |
| Min. AWG conductor cross section, flexible                                 | 24                   |
| Max. AWG conductor cross section, flexible                                 | 10                   |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 4 mm <sup>2</sup>    |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 1.5 mm <sup>2</sup>  |
| Cross section with insertion bridge, solid max.                            | 2.5 mm <sup>2</sup>  |
| Cross section with insertion bridge, stranded max.                         | 2.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid min.                           | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid max.                           | 1 mm <sup>2</sup>    |

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### Connection data

|   |                      |
|---|----------------------|
| 2 conductors with same cross section, stranded min.                                     | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded max.                                     | 1.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.25 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 1.5 mm <sup>2</sup>  |
| Internal cylindrical gage   | A4                   |

### Standards and Regulations

|  |               |
|--|---------------|
| Connection in acc. with standard       | IEC 60947-7-1 |
| Flammability rating according to UL 94 | V2            |

### Environmental Product Compliance

|            |   |
|------------|---|
|            | Lead 7439-92-1  |
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Approvals


### Approvals

Approvals

EAC

Ex Approvals

### Approval details

|     |   |                          |
|-----|---|--------------------------|
| EAC |  | RU C-<br>DE.A*30.B.01742 |
|-----|---|--------------------------|

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