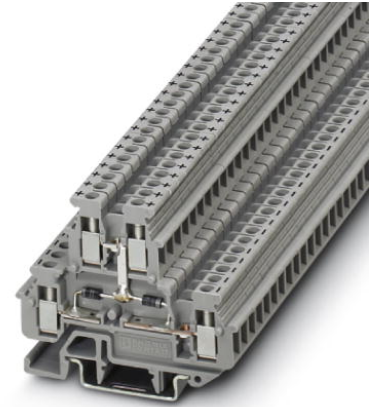


## MBKKB 2,5-2DIO/O-UL/O-UR

Order No.: 3003871



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=3003871>

Feed-through modular terminal block, Connection type: Screw connection, Cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 24 - 12, Nominal current: 24 A, Nominal voltage: 500 V, Length: 62 mm, Width: 5.2 mm, Color: gray, Assembly: NS 35/7.5, NS 35/15, NS 32

### Commercial data

|                          |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| GTIN (EAN)               |  |
| sales group              | A130                                                                                |
| Pack                     | 50 pcs.                                                                             |
| Customs tariff           | 85369010                                                                            |
| Catalog page information | Page 525 (CL1-2011)                                                                 |

### Product notes

WEEE/RoHS-compliant since:  
01/01/2005



<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

### Technical data

#### General

|                       |      |
|-----------------------|------|
| Number of levels      | 2    |
| Number of connections | 4    |
| Color                 | gray |

|                                    |    |
|------------------------------------|----|
| Insulating material                | PA |
| Inflammability class acc. to UL 94 | V2 |

#### Dimensions

|                  |         |
|------------------|---------|
| Width            | 5.2 mm  |
| Length           | 62 mm   |
| Height NS 35/7.5 | 48 mm   |
| Height NS 35/15  | 55.5 mm |

#### Technical data

|                                  |                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------|
| Maximum load current             | 24 A (with 2.5 mm <sup>2</sup> conductor cross section)                                           |
| Rated surge voltage              | 6 kV                                                                                              |
| Pollution degree                 | 3                                                                                                 |
| Surge voltage category           | III                                                                                               |
| Insulating material group        | I                                                                                                 |
| Connection in acc. with standard | IEC 60947-7-1                                                                                     |
| Nominal current I <sub>N</sub>   | 24 A                                                                                              |
| Nominal voltage U <sub>N</sub>   | 500 V (Data is based on the dielectric strength of adjacent terminal blocks or of the DINg rail.) |

#### Connection data

|                                                                            |                      |
|----------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                         | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.                                         | 4 mm <sup>2</sup>    |
| Conductor cross section stranded min.                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section stranded max.                                      | 2.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.                                     | 24                   |
| Conductor cross section AWG/kcmil max                                      | 12                   |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 2.5 mm <sup>2</sup>  |
| Conductor cross section stranded, with ferrule with plastic sleeve min.    | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve 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>    |
| 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, 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>  |
| 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. | 1.5 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>  |
| Connection method                                                                       | Screw connection     |
| Stripping length                                                                        | 7 mm                 |
| Internal cylindrical gage                                                               | A3                   |
| Screw thread                                                                            | M3                   |
| Tightening torque, min                                                                  | 0.5 Nm               |
| Tightening torque max                                                                   | 0.6 Nm               |

#### Certificates / Approvals



Certification

GOST

#### Accessories

| Item            | Designation          | Description                                                                                                                                                                    |
|-----------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Assembly</b> |                      |                                                                                                                                                                                |
| 3022218         | CLIPFIX 35           | Snap-on end bracket, for 35 mm NS 35/7.5 or NS 35/15 DIN rail, can be fitted with Zack strip ZB 8 and ZB 8/27, terminal strip marker KLM 2 and KLM, width: 9.5 mm, color: gray |
| 1413052         | D-MBKKB 2,5          | End cover, Length: 62 mm, Width: 2.5 mm, Color: gray                                                                                                                           |
| 1413065         | DP-MBKKB 2,5         | Spacer plate, Length: 62 mm, Width: 2.5 mm, Color: gray                                                                                                                        |
| 1401637         | E/MBK                | End clamp, width: 6.2 mm, color: gray                                                                                                                                          |
| 1401763         | NS 15 AL PERF 2000MM | DIN rail, material: Aluminum, perforated, height 5.5 mm, width 15 mm, length: 2 m                                                                                              |

|         |                             |                                                                                                                              |
|---------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 1401682 | NS 15 PERF 2000MM           | DIN rail, material: steel, perforated, height 5.5 mm, width 15 mm, length: 2 m                                               |
| 1401695 | NS 15 UNPERF 2000MM         | DIN rail, material: Steel, unperforated, height 5.5 mm, width 15 mm, length: 2 m                                             |
| 0801762 | NS 35/ 7,5 CU UNPERF 2000MM | DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m                                            |
| 0801733 | NS 35/ 7,5 PERF 2000MM      | DIN rail, material: Steel, galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2 m |
| 0801681 | NS 35/ 7,5 UNPERF 2000MM    | DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m                                             |
| 1201756 | NS 35/15 AL UNPERF 2000MM   | DIN rail, deep-drawn, high profile, unperforated, 1.5 mm thick, material: Aluminum, height 15 mm, width 35 mm, length 2 m    |
| 1201895 | NS 35/15 CU UNPERF 2000MM   | DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m                               |
| 1201730 | NS 35/15 PERF 2000MM        | DIN rail, material: Steel, perforated, height 15 mm, width 35 mm, length: 2 m                                                |
| 1201714 | NS 35/15 UNPERF 2000MM      | DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m                                              |
| 1201798 | NS 35/15-2,3 UNPERF 2000MM  | DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m                                |

#### Bridges

|         |              |                                                      |
|---------|--------------|------------------------------------------------------|
| 3000175 | FBRNI 2-5 N  | Fixed bridge, Number of positions: 2, Color: silver  |
| 3000162 | FBRNI 3-5 N  | Fixed bridge, Number of positions: 3, Color: silver  |
| 3000159 | FBRNI 4-5 N  | Fixed bridge, Number of positions: 4, Color: silver  |
| 2770639 | FBRNI 10-5 N | Fixed bridge, Number of positions: 10, Color: silver |

#### Marking

|         |                  |                                                                                                 |
|---------|------------------|-------------------------------------------------------------------------------------------------|
| 1007219 | SBS 5:UNBEDRUCKT | Marker cards for modular terminal blocks, color: white                                          |
| 1050295 | ZB 5:SO/CMS      | Zack strip, 10-section, divisible, special printing, marking according to customer requirements |

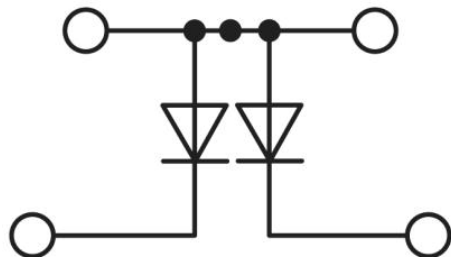
#### Tools

|         |             |                                                                                                                                                                  |
|---------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1205053 | SZS 0,6X3,5 | Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip |
|---------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Diagrams/Drawings

### Circuit diagram

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