

## Knife disconnect terminal block - UDK 4-MTK-P/P BU - 2775223

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Knife disconnect terminal block, With test socket screws for insertion of test plugs, Connection type: Screw connection, Cross section: 0.2 mm<sup>2</sup> - 6 mm<sup>2</sup>, AWG: 24 - 10, Nominal current: 16 A, Nominal voltage: 630 V, Length: 63.5 mm, Width: 6.2 mm, Color: blue, Assembly: NS 35/7,5, NS 35/15, NS 32

### Product Features

- Closed housing of double-level terminal blocks
- Space-saving design just 6.2 mm wide
- User-friendly disconnect knife operation



### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                                    |
| GTIN                                 | <br>4 017918 068523 |
| Weight per Piece (excluding packing) | 16.49 g                                                                                                 |
| Custom tariff number                 | 85369010                                                                                                |
| Country of origin                    | Poland                                                                                                  |

### Technical data

#### General

|                                        |                   |
|----------------------------------------|-------------------|
| Number of levels                       | 1                 |
| Number of connections                  | 4                 |
| Nominal cross section                  | 4 mm <sup>2</sup> |
| Color                                  | blue              |
| Insulating material                    | PA                |
| Flammability rating according to UL 94 | V2                |
| Rated surge voltage                    | 8 kV              |
| Degree of pollution                    | 3                 |
| Overvoltage category                   | III               |

# Knife disconnect terminal block - UDK 4-MTK-P/P BU - 2775223

## Technical data

### General

|                                  |                                                       |
|----------------------------------|-------------------------------------------------------|
| Insulating material group        | I                                                     |
| Connection in acc. with standard | IEC 60947-7-1                                         |
| Nominal current $I_N$            | 16 A                                                  |
| Maximum load current             | 16 A (with 6 mm <sup>2</sup> conductor cross section) |
| Nominal voltage $U_N$            | 630 V                                                 |
| Open side panel                  | Yes                                                   |

### Dimensions

|                  |         |
|------------------|---------|
| Width            | 6.2 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

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.                                                      | 6 mm <sup>2</sup>    |
| Conductor cross section flexible min.                                                   | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.                                                   | 4 mm <sup>2</sup>    |
| Conductor cross section AWG min.                                                        | 24                   |
| Conductor cross section AWG max.                                                        | 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>  |
| 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 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     |

# Knife disconnect terminal block - UDK 4-MTK-P/P BU - 2775223

## Technical data

### Connection data

|                           |        |
|---------------------------|--------|
| Stripping length          | 8 mm   |
| Internal cylindrical gage | A4     |
| Screw thread              | M3     |
| Tightening torque, min    | 0.6 Nm |
| Tightening torque max     | 0.8 Nm |

### Standards and Regulations

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

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141126 |
| eCl@ss 4.1 | 27141126 |
| eCl@ss 5.0 | 27141126 |
| eCl@ss 5.1 | 27141126 |
| eCl@ss 6.0 | 27141126 |
| eCl@ss 7.0 | 27141126 |
| eCl@ss 8.0 | 27141126 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000897 |
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC000902 |
| ETIM 5.0 | EC000902 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11     | 39121410 |
| UNSPSC 12.01  | 39121410 |
| UNSPSC 13.2   | 39121410 |

## Approvals

### Approvals

## Knife disconnect terminal block - UDK 4-MTK-P/P BU - 2775223

### Approvals

Approvals

CSA / RS / PRS / EAC / EAC

Ex Approvals

Approvals submitted

### Approval details

|                                                                                       |       |       |       |
|---------------------------------------------------------------------------------------|-------|-------|-------|
| CSA  |       |       |       |
|                                                                                       | B     | C     | D     |
| mm²/AWG/kcmil                                                                         | 22-10 | 22-10 | 22-10 |
| Nominal current I <sub>N</sub>                                                        | 15 A  | 15 A  | 10 A  |
| Nominal voltage U <sub>N</sub>                                                        | 300 V | 300 V | 600 V |

RS

PRS

EAC

EAC

### Drawings

Circuit diagram

