

## Panel feed-through terminal block - VDFK 4 - 0708250

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Panel feed-through terminal block, connection method: Screw connection, Solder connection, number of positions: 1, load current: 32 A, cross section: 0.2 mm<sup>2</sup> - 6 mm<sup>2</sup>, AWG 24 - 10, connection direction of the conductor to plug-in direction: 0 °, width: 10 mm, color: gray

### Why buy this product

- ✓ Easy fixing using plastic knurled nut or quick mounting wedge
- ✓ Touch-proof insulating housing
- ✓ Terminal blocks can be grouped
- ✓ Spacer plates increase clearances and creepage distances
- ✓ Universal screw connection with screw locking



### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 50 STK                                                                                                  |
| Minimum order quantity               | 50 STK                                                                                                  |
| GTIN                                 | <br>4 017918 004576 |
| GTIN                                 | 4017918004576                                                                                           |
| Weight per Piece (excluding packing) | 4.010 g                                                                                                 |
| Custom tariff number                 | 85369010                                                                                                |
| Country of origin                    | Poland                                                                                                  |

### Technical data

#### General

|                                        |                   |
|----------------------------------------|-------------------|
| Number of levels                       | 1                 |
| Number of connections                  | 2                 |
| Nominal cross section                  | 4 mm <sup>2</sup> |
| Color                                  | gray              |
| Insulating material                    | PA                |
| Flammability rating according to UL 94 | V0                |
| Rated surge voltage                    | 6 kV              |

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### Technical data

#### General

|                                  |               |
|----------------------------------|---------------|
| Degree of pollution              | 3             |
| Overvoltage category             | III           |
| Insulating material group        | I             |
| Connection in acc. with standard | IEC 60947-7-1 |
| Nominal current $I_N$            | 32 A          |
| Maximum load current             | 32 A          |
| Nominal voltage $U_N$            | 500 V         |
| Open side panel                  | No            |
| Number of positions              | 1             |

#### Dimensions

|                 |               |
|-----------------|---------------|
| Width           | 10 mm         |
| Length          | 25.5 mm       |
| Plate thickness | 1 mm ... 4 mm |

#### Connection data

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| Connection side                                                                         | Outside              |
| Connection method                                                                       | Screw connection     |
| 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.                 | 4 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.                                        | 1.5 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>  |
| Stripping length                                                                        | 8 mm                 |
| Internal cylindrical gage                                                               | A4                   |
| Screw thread                                                                            | M3                   |

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### Technical data

#### Connection data

|                        |                   |
|------------------------|-------------------|
| Tightening torque, min | 0.6 Nm            |
| Tightening torque max  | 0.8 Nm            |
| Connection side        | Inside            |
| Connection method      | Solder connection |

#### Standards and Regulations

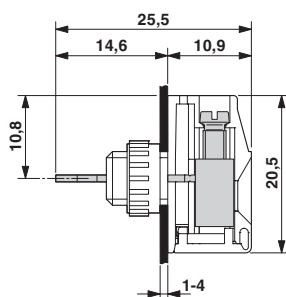
|                                        |               |
|----------------------------------------|---------------|
| Connection in acc. with standard       | CSA           |
|                                        | IEC 60947-7-1 |
| Flammability rating according to UL 94 | V0            |

#### Environmental Product Compliance

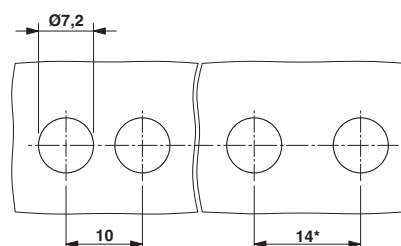
|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| China RoHS | Environmentally Friendly Use Period = 50           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

### Drawings

Dimensional drawing



Dimensional drawing



\* Dimensions when using the DP-VDFK 4/4 spacer plate

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141131 |
| eCl@ss 4.1 | 27141131 |
| eCl@ss 5.0 | 27141134 |
| eCl@ss 5.1 | 27141134 |
| eCl@ss 6.0 | 27141134 |
| eCl@ss 7.0 | 27141134 |
| eCl@ss 8.0 | 27141134 |
| eCl@ss 9.0 | 27141134 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC001283 |
| ETIM 3.0 | EC001283 |

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### Classifications

#### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC001283 |
| ETIM 5.0 | EC001283 |
| ETIM 6.0 | EC001283 |

#### UNSPSC

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

### Approvals

#### Approvals

#### Approvals

CSA / KEMA-KEUR / IECEx CB Scheme / EAC / cULus Recognized

#### Ex Approvals

#### ATEX

### Approval details

|                                |                                                                                     |       |
|--------------------------------|-------------------------------------------------------------------------------------|-------|
| CSA                            |  | 13631 |
|                                | B                                                                                   | D     |
| mm <sup>2</sup> /AWG/kcmil     | 28-10                                                                               | 28-10 |
| Nominal current I <sub>N</sub> | 30 A                                                                                | 10 A  |
| Nominal voltage U <sub>N</sub> | 300 V                                                                               | 300 V |

|                                |                                                                                     |                                                                                     |            |
|--------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------|
| KEMA-KEUR                      |  | <a href="http://www.dekra-certification.com">http://www.dekra-certification.com</a> | 2169260.01 |
|                                |                                                                                     |                                                                                     |            |
| mm <sup>2</sup> /AWG/kcmil     | 4                                                                                   |                                                                                     |            |
| Nominal current I <sub>N</sub> | 32 A                                                                                |                                                                                     |            |
| Nominal voltage U <sub>N</sub> | 500 V                                                                               |                                                                                     |            |

## Panel feed-through terminal block - VDFK 4 - 0708250

### Approvals

|                                |                                                                                   |                                                           |          |
|--------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------|----------|
| IECEE CB Scheme                |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | NL-29947 |
| mm²/AWG/kcmil                  | 4                                                                                 |                                                           |          |
| Nominal current I <sub>N</sub> | 32 A                                                                              |                                                           |          |
| Nominal voltage U <sub>N</sub> | 500 V                                                                             |                                                           |          |

|     |                                                                                   |         |
|-----|-----------------------------------------------------------------------------------|---------|
| EAC |  | B.01742 |
|-----|-----------------------------------------------------------------------------------|---------|

|                                |                                                                                   |                                                                                                                                                       |                 |
|--------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| cULus Recognized               |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E60425-19770427 |
|                                | B                                                                                 | C                                                                                                                                                     | D               |
| mm²/AWG/kcmil                  | 30-10                                                                             | 30-10                                                                                                                                                 | 30-10           |
| Nominal current I <sub>N</sub> | 30 A                                                                              | 30 A                                                                                                                                                  | 10 A            |
| Nominal voltage U <sub>N</sub> | 300 V                                                                             | 150 V                                                                                                                                                 | 300 V           |