

## Panel feed-through terminal block - VDFK 6 - 0711027

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Panel feed-through terminal block, Connection method: Screw connection, Solder connection, Load current : 57 A, Cross section: 0.2 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG 24 - 10, Connection direction of the conductor to plug-in direction: 0 °, Width: 10 mm, Color: gray

### Product Features

- ✓ Easy fixing using plastic knurled nut or quick mounting wedge
- ✓ Touch-proof insulating housing
- ✓ Terminal blocks can be grouped
- ✓ Strain relief can be snapped on as an option
- ✓ Universal screw connection with screw locking
- ✓ Spacer plates increase air and creepage distances

### Key commercial data

|                  |               |
|------------------|---------------|
| package_quantity | 50            |
| GTIN             | 4017918005351 |

### Technical data

#### General

|                                         |      |
|-----------------------------------------|------|
| Number of levels                        | 1    |
| Number of connections                   | 2    |
| Color                                   | gray |
| Insulating material                     | PA   |
| Inflammability class according to UL 94 | V0   |

#### General

|                                  |               |
|----------------------------------|---------------|
| 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>   | 41 A          |
| Nominal voltage U <sub>N</sub>   | 500 V         |
| Open side panel                  | nein          |
| Number of positions              | 1             |

#### Dimensions

|       |       |
|-------|-------|
| Width | 10 mm |
|-------|-------|

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## Technical data

### Dimensions

|               |         |
|---------------|---------|
| <b>Length</b> | 30.2 mm |
|---------------|---------|

### Connection data

|                                                                                                |                      |
|------------------------------------------------------------------------------------------------|----------------------|
| <b>Connection side</b>                                                                         | Outside              |
| <b>Connection method</b>                                                                       | Screw connection     |
| <b>Conductor cross section solid min.</b>                                                      | 0.2 mm <sup>2</sup>  |
| <b>Conductor cross section solid max.</b>                                                      | 10 mm <sup>2</sup>   |
| <b>Conductor cross section stranded min.</b>                                                   | 0.2 mm <sup>2</sup>  |
| <b>Conductor cross section stranded max.</b>                                                   | 6 mm <sup>2</sup>    |
| <b>Conductor cross section AWG/kcmil min.</b>                                                  | 24                   |
| <b>Conductor cross section AWG/kcmil max</b>                                                   | 8                    |
| <b>Conductor cross section stranded, with ferrule without plastic sleeve min.</b>              | 0.25 mm <sup>2</sup> |
| <b>Conductor cross section stranded, with ferrule without plastic sleeve max.</b>              | 6 mm <sup>2</sup>    |
| <b>Conductor cross section stranded, with ferrule with plastic sleeve min.</b>                 | 0.25 mm <sup>2</sup> |
| <b>Conductor cross section stranded, with ferrule with plastic sleeve max.</b>                 | 6 mm <sup>2</sup>    |
| <b>2 conductors with same cross section, solid min.</b>                                        | 0.2 mm <sup>2</sup>  |
| <b>2 conductors with same cross section, solid max.</b>                                        | 4 mm <sup>2</sup>    |
| <b>2 conductors with same cross section, stranded min.</b>                                     | 0.2 mm <sup>2</sup>  |
| <b>2 conductors with same cross section, stranded max.</b>                                     | 4 mm <sup>2</sup>    |
| <b>2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.</b>   | 0.25 mm <sup>2</sup> |
| <b>2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.</b>   | 2.5 mm <sup>2</sup>  |
| <b>2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.</b> | 0.5 mm <sup>2</sup>  |
| <b>2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.</b> | 4 mm <sup>2</sup>    |
| <b>Stripping length</b>                                                                        | 9 mm                 |
| <b>Internal cylindrical gage</b>                                                               | A5                   |
| <b>Screw thread</b>                                                                            | M4                   |
| <b>Tightening torque, min</b>                                                                  | 1.5 Nm               |
| <b>Tightening torque max</b>                                                                   | 1.8 Nm               |
| <b>Connection side</b>                                                                         | Inside               |
| <b>Connection method</b>                                                                       | Solder connection    |

## classifications

### eCl@ss

|                   |          |
|-------------------|----------|
| <b>eCl@ss 4.0</b> | 27141131 |
| <b>eCl@ss 4.1</b> | 27141131 |
| <b>eCl@ss 5.0</b> | 27141134 |

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## classifications

### eCl@ss

|                   |          |
|-------------------|----------|
| <b>eCl@ss 5.1</b> | 27141134 |
| <b>eCl@ss 6.0</b> | 27141134 |
| <b>eCl@ss 7.0</b> | 27141134 |
| <b>eCl@ss 8.0</b> | 27141134 |

### ETIM

|                 |          |
|-----------------|----------|
| <b>ETIM 2.0</b> | EC001283 |
| <b>ETIM 3.0</b> | EC001283 |
| <b>ETIM 4.0</b> | EC001283 |
| <b>ETIM 5.0</b> | EC001283 |

### UNSPSC

|                      |          |
|----------------------|----------|
| <b>UNSPSC 6.01</b>   | 30211811 |
| <b>UNSPSC 7.0901</b> | 39121410 |
| <b>UNSPSC 11</b>     | 39121410 |
| <b>UNSPSC 12.01</b>  | 39121410 |
| <b>UNSPSC 13.2</b>   | 39121410 |

## approvals

CSA / UL Recognized / KEMA-KEUR / cUL Recognized / PRS / IECCEB Scheme / cULus Recognized /

### Approval details

| <b>CSA</b>  |       |       |       |
|------------------------------------------------------------------------------------------------|-------|-------|-------|
| Usegroups                                                                                      | B     | C     | D     |
| Nominal voltage UN                                                                             | 300 V | 150 V | 300 V |
| Nominal current IN                                                                             | 50 A  | 50 A  | 10 A  |
| mm²/AWG/kcmil                                                                                  | 26-8  | 26-8  | 26-8  |

| <b>UL Recognized</b>  |       |       |       |
|----------------------------------------------------------------------------------------------------------|-------|-------|-------|
| Usegroups                                                                                                | B     | C     | D     |
| Nominal voltage UN                                                                                       | 300 V | 150 V | 300 V |
| Nominal current IN                                                                                       | 50 A  | 50 A  | 10 A  |
| mm²/AWG/kcmil                                                                                            | 26-8  | 26-8  | 26-8  |

|                                                                                                      |  |  |  |
|------------------------------------------------------------------------------------------------------|--|--|--|
| <b>KEMA-KEUR</b>  |  |  |  |
|------------------------------------------------------------------------------------------------------|--|--|--|

## Panel feed-through terminal block - VDFK 6 - 0711027

### approvals

| Nominal voltage UN | 500 V |
|--------------------|-------|
| Nominal current IN | 41 A  |
| mm²/AWG/kcmil      | 6     |

| cUL Recognized  |       |       |       |
|--------------------------------------------------------------------------------------------------|-------|-------|-------|
| Usegroups                                                                                        | B     | C     | D     |
| Nominal voltage UN                                                                               | 300 V | 150 V | 300 V |
| Nominal current IN                                                                               | 50 A  | 50 A  | 10 A  |
| mm²/AWG/kcmil                                                                                    | 26-8  | 26-8  | 26-8  |

|     |
|-----|
| PRS |
|-----|

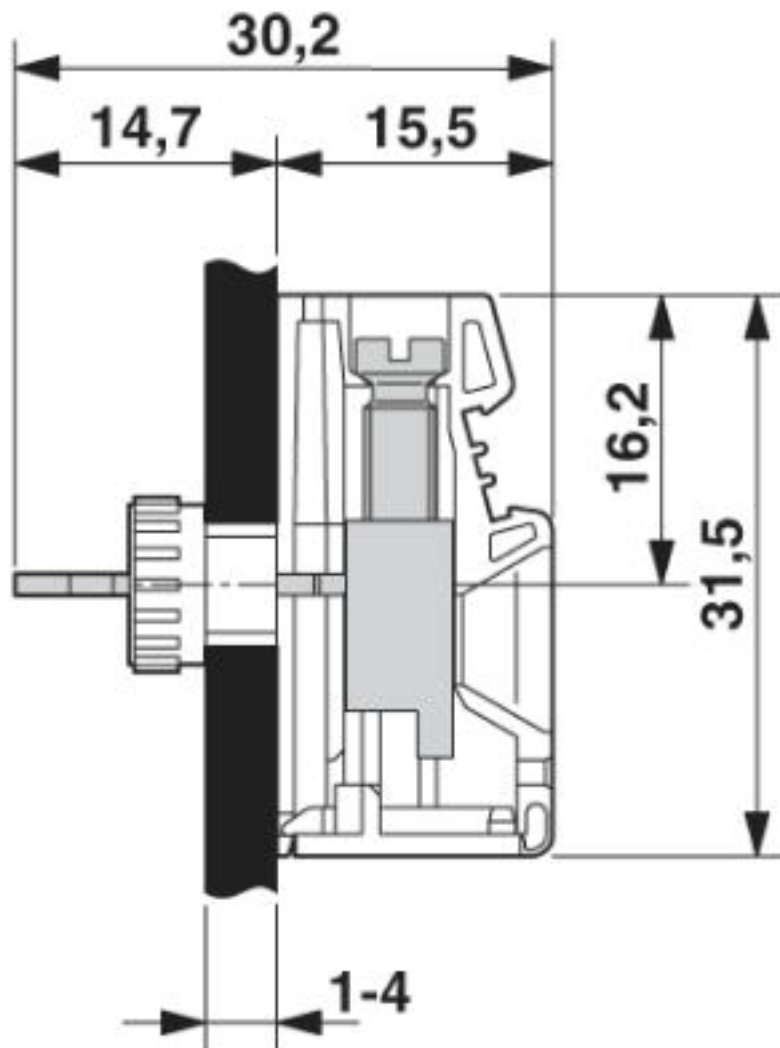
| IECEE CB Scheme  |       |
|----------------------------------------------------------------------------------------------------|-------|
|                                                                                                    |       |
| Nominal voltage UN                                                                                 | 500 V |
| Nominal current IN                                                                                 | 41 A  |
| mm²/AWG/kcmil                                                                                      | 6     |

|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| cULus Recognized  |
|------------------------------------------------------------------------------------------------------|

### Drawings

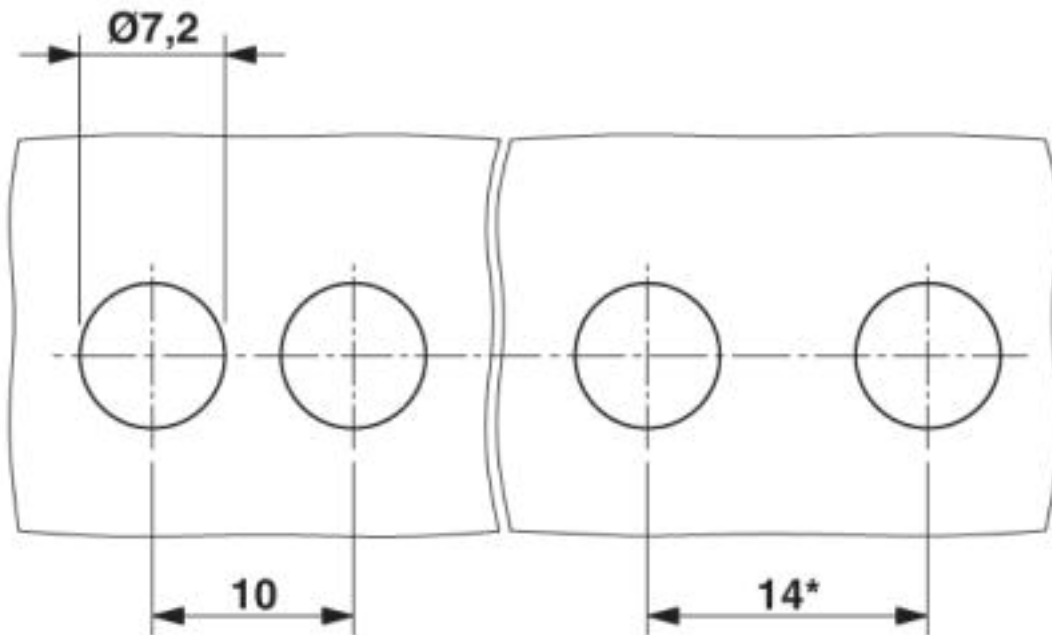
## Panel feed-through terminal block - VDFK 6 - 0711027

Dimensioned drawing



## Panel feed-through terminal block - VDFK 6 - 0711027

Dimensioned drawing



\* Dimensions when using the DP-VDFK 6/4 spacer plate

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