# PCB terminal block - MKDSP 1,5/ 5-5,08 - 1730159

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)

PCB terminal block, Nominal current: 17.5 A, Nom. voltage: 400 V, Pitch: 5.08 mm, Number of positions: 5, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green

The figure shows a 10-position version of the product

## Why buy this product

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors
- Quick and convenient testing using integrated test option
- The latching on the side enables various numbers of positions to be combined


## Key Commercial Data

| | |
|---|---|
| Packing unit | 1 STK |
| Minimum order quantity | 50 STK |
| GTIN | 4 017918 026257 |
| GTIN | 4017918026257 |
| Weight per Piece (excluding packing) | 7.260 g |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

## Technical data

### Dimensions

| | |
|---|---|
| Length | 11.15 mm |
| Pitch | 5.08 mm |
| Dimension a | 20.32 mm |

# PCB terminal block - MKDSP 1,5/ 5-5,08 - 1730159

## Technical data

### Dimensions

| | |
|---|---|
| Constructional height | 14 mm |
| Length of the solder pin | 3.5 mm |
| Pin dimensions | 0,9 x 0,9 mm |
| Hole diameter | 1.3 mm |

### General

| | |
|---|---|
| Range of articles | MKDSP 1,5 |
| Insulating material group | I |
| Rated surge voltage (III/3) | 4 kV |
| Rated surge voltage (III/2) | 4 kV |
| Rated surge voltage (II/2) | 4 kV |
| Rated voltage (III/3) | 250 V |
| Rated voltage (III/2) | 400 V |
| Rated voltage (II/2) | 630 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current $I_N$ | 17.5 A |
| Nominal cross section | 1.5 mm² |
| Maximum load current | 22 A |
| Insulating material | PA |
| Solder pin surface | Sn |
| Flammability rating according to UL 94 | V0 |
| Internal cylindrical gage | A1 |
| Stripping length | 7 mm |
| Number of positions | 5 |
| Screw thread | M3 |
| Tightening torque, min | 0.5 Nm |
| Tightening torque max | 0.6 Nm |

### Connection data

| | |
|---|---|
| Conductor cross section solid min. | 0.14 mm² |
| Conductor cross section solid max. | 2.5 mm² |
| Conductor cross section flexible min. | 0.14 mm² |
| Conductor cross section flexible max. | 1.5 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 1.5 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.25 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 1.5 mm² |
| Conductor cross section AWG min. | 26 |

# PCB terminal block - MKDSP 1,5/ 5-5,08 - 1730159

## Technical data

### Connection data

| | |
|---|---|
| Conductor cross section AWG max. | 14 |
| 2 conductors with same cross section, solid min. | 0.14 mm² |
| 2 conductors with same cross section, solid max. | 1 mm² |
| 2 conductors with same cross section, stranded min. | 0.14 mm² |
| 2 conductors with same cross section, stranded max. | 0.75 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 0.5 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1 mm² |

### Standards and Regulations

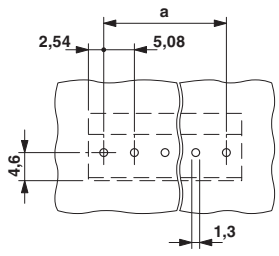
| | |
|---|---|
| Connection in acc. with standard | EN-VDE |
| | CSA |
| Flammability rating according to UL 94 | V0 |

### Environmental Product Compliance

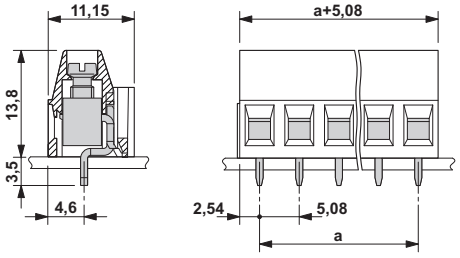
| | |
|---|---|
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration” |

## Drawings

Drilling diagram




Dimensional drawing




## Approvals

### Approvals

# PCB terminal block - MKDSP 1,5/ 5-5,08 - 1730159

## Approvals

Approvals

CSA / SEV / CCA / IECEE CB Scheme / EAC

Ex Approvals

## Approval details

CSA http://www.csagroup.org/services/testing-and-certification/certified-product-listing/ 13631

| | B | D |
|---|---|---|
| mm²/AWG/kcmil | 28-14 | 28-14 |
| Nominal current IN | 10 A | 10 A |
| Nominal voltage UN | 300 V | 300 V |

SEV https://www.electrosuisse.ch/en/meta/shop/product-certificates.html IK-3542-M1

| | |
|---|---|
| mm²/AWG/kcmil | 2.5 |
| Nominal current IN | 22 A |
| Nominal voltage UN | 250 V |

CCA IK-2722

IECEE CB Scheme http://www.iecee.org/ CH-8225

EAC B.01742