

# Printed-circuit board connector - MKDSO 1,5/ 5-L-3,5 KMGY - 2278393

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: 8 A, Nom. voltage: 160 V, Pitch: 3.5 mm, Number of positions: 5, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Article with lateral pin exit

## Why buy this product

- PCB terminal block for ME/ME MAX electronics housing
- PCB terminal block orthogonal to the PCB
- 3.5 mm pitch



## Key commercial data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 50 pc   |
| GTIN                                 | <br>4 046356 293013 |
| Weight per Piece (excluding packing) | 6.32 g  |
| Custom tariff number                 | 85369010  |
| Country of origin                    | China   |
| Note                                 | Made to Order (non-returnable)  |

## Technical data

### Dimensions

|                |              |
|----------------|--------------|
| Pitch          | 3.5 mm       |
| Dimension a    | 14 mm        |
| Pin dimensions | 0,8 x 0,8 mm |
| Pin spacing    | 3.5 mm       |
| Hole diameter  | 1.2 mm       |

### General

|                             |                |
|-----------------------------|----------------|
| Range of articles           | MKDSO 1,5/..-L |
| Insulating material group   | I              |
| Rated surge voltage (III/3) | 2.5 kV         |
| Rated surge voltage (III/2) | 2.5 kV         |
| Rated surge voltage (II/2)  | 2.5 kV         |

# Printed-circuit board connector - MKDSO 1,5/ 5-L-3,5 KMGY - 2278393

## Technical data

### General

|   |                     |
|---|---------------------|
| Rated voltage (III/3)                   | 160 V               |
| Rated voltage (III/2)                   | 160 V               |
| Rated voltage (II/2)                    | 320 V               |
| Connection in acc. with standard        | EN-VDE              |
| Nominal current $I_N$                   | 8 A                 |
| Nominal cross section                   | 1.5 mm <sup>2</sup> |
| Maximum load current                    | 8 A                 |
| Insulating material                     | PA                  |
| Inflammability class according to UL 94 | V0                  |
| Internal cylindrical gage               | A1                  |
| Stripping length                        | 7 mm                |
| Number of positions                     | 5                   |
| Screw thread                            | M2                  |
| Tightening torque, min                  | 0.22 Nm             |
| Tightening torque max                   | 0.25 Nm             |

### Connection data

|   |                      |
|---|----------------------|
| Conductor cross section solid min.  | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.  | 1.5 mm <sup>2</sup>  |
| Conductor cross section stranded min.   | 0.14 mm <sup>2</sup> |
| Conductor cross section stranded max.   | 1.5 mm <sup>2</sup>  |
| 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.              | 1.5 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.                 | 0.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.  | 28                   |
| Conductor cross section AWG/kcmil max   | 16                   |
| 2 conductors with same cross section, solid min.  | 0.08 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.  | 0.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded min.                                     | 0.08 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded max.                                     | 0.75 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.   | 0.34 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. | 0.5 mm <sup>2</sup>  |

# Printed-circuit board connector - MKDSO 1,5/ 5-L-3,5 KMGY - 2278393

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27180401 |
| eCl@ss 4.1 | 27180401 |
| eCl@ss 5.0 | 27180506 |
| eCl@ss 5.1 | 27141190 |
| eCl@ss 6.0 | 27141190 |
| eCl@ss 7.0 | 27141190 |
| eCl@ss 8.0 | 27440401 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC001031 |
| ETIM 3.0 | EC001031 |
| ETIM 4.0 | EC002643 |
| ETIM 5.0 | EC002643 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 31261501 |
| UNSPSC 7.0901 | 31261501 |
| UNSPSC 11     | 31261501 |
| UNSPSC 12.01  | 31261501 |
| UNSPSC 13.2   | 31261501 |

## Approvals

### Approvals


#### Approvals

UL Recognized / cUL Recognized / VDE Zeichengenehmigung / EAC / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details

|   |       |
|---|-------|
| UL Recognized  |       |
|   | B     |
| mm <sup>2</sup> /AWG/kcmil  | 28-16 |

# Printed-circuit board connector - MKDSO 1,5/ 5-L-3,5 KMGY - 2278393

## Approvals

|                                |       |
|--------------------------------|-------|
|                                | B     |
| Nominal current I <sub>N</sub> | 8 A   |
| Nominal voltage U <sub>N</sub> | 300 V |

cUL Recognized

|                                |       |
|--------------------------------|-------|
|                                | B     |
| mm <sup>2</sup> /AWG/kcmil     | 28-16 |
| Nominal current I <sub>N</sub> | 8 A   |
| Nominal voltage U <sub>N</sub> | 300 V |

VDE Zeichengenehmigung

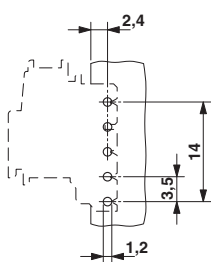
|                                |       |
|--------------------------------|-------|
|                                |       |
| mm <sup>2</sup> /AWG/kcmil     | 1.5   |
| Nominal current I <sub>N</sub> | 8 A   |
| Nominal voltage U <sub>N</sub> | 160 V |

EAC

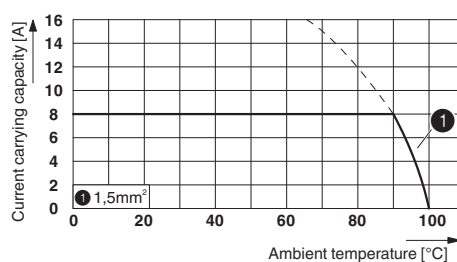
cULus Recognized

## Drawings

Drilling diagram



Diagram



## Printed-circuit board connector - MKDSO 1,5/ 5-L-3,5 KMGY - 2278393

Dimensioned drawing

