

## PCB connection terminal block - MKDSP 50/ 3-17,5 - 1856139

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PCB terminal block, Nominal current: 192 A, Nom. voltage: 1000 V, Pitch: 17.5 mm, Number of positions: 3, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green

### Product Features

- ✓ Integrated test connection
- ✓ Unlimited 600 V UL approval
- ✓ Integrated protective guide
- ✓ 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
- ✓ Integrated protective guide prevents incorrect insertion of the conductor underneath the terminal sleeve



### Key Commercial Data

|                      |          |
|----------------------|----------|
| Packing unit         | 1 pc     |
| Custom tariff number | 85369010 |
| Country of origin    | China    |

### Technical data

#### Dimensions

|                          |              |
|--------------------------|--------------|
| Length                   | 32 mm        |
| Pitch                    | 17.5 mm      |
| Dimension a              | 35 mm        |
| Width                    | 55 mm        |
| Constructional height    | 55 mm        |
| Height                   | 59 mm        |
| Length of the solder pin | 4 mm         |
| Pin dimensions           | 1,4 x 1,4 mm |

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## Technical data

### Dimensions

|               |        |
|---------------|--------|
| Hole diameter | 2.4 mm |
|---------------|--------|

### General

|                                         |                    |
|-----------------------------------------|--------------------|
| Insulating material group               | I                  |
| Rated surge voltage (III/3)             | 8 kV               |
| Rated surge voltage (III/2)             | 8 kV               |
| Rated surge voltage (II/2)              | 6 kV               |
| Rated voltage (III/3)                   | 1000 V             |
| Rated voltage (III/2)                   | 1000 V             |
| Rated voltage (II/2)                    | 1000 V             |
| Connection in acc. with standard        | EN-VDE             |
| Nominal current $I_N$                   | 192 A              |
| Nominal cross section                   | 50 mm <sup>2</sup> |
| Maximum load current                    | 192 A              |
| Insulating material                     | PA                 |
| Solder pin surface                      | Sn                 |
| Inflammability class according to UL 94 | V0                 |
| Stripping length                        | 20 mm              |
| Number of positions                     | 3                  |
| Screw thread                            | M6                 |
| Tightening torque, min                  | 5.5 Nm             |

### Connection data

|                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|
| Conductor cross section solid min.                                                      | 1.5 mm <sup>2</sup> |
| Conductor cross section solid max.                                                      | 70 mm <sup>2</sup>  |
| Conductor cross section flexible min.                                                   | 1.5 mm <sup>2</sup> |
| Conductor cross section flexible max.                                                   | 70 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve min.              | 1.5 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max.              | 50 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                 | 1.5 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                 | 50 mm <sup>2</sup>  |
| Conductor cross section AWG min.                                                        | 16                  |
| Conductor cross section AWG max.                                                        | 2/0                 |
| 2 conductors with same cross section, solid min.                                        | 1.5 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.                                        | 16 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded min.                                     | 1.5 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded max.                                     | 16 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 1.5 mm <sup>2</sup> |

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### Technical data

#### Connection data

|                                                                                         |        |
|-----------------------------------------------------------------------------------------|--------|
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 16 mm² |
|-----------------------------------------------------------------------------------------|--------|

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.1 | 27141134 |
| eCl@ss 6.0 | 27141134 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 5.0 | EC002643 |
|----------|----------|

### Approvals

#### Approvals

#### Approvals

cULus Recognized / VDE Zeichengenehmigung / IECEE CB Scheme

#### Ex Approvals

#### Approvals submitted

#### Approval details

|                                |        |        |
|--------------------------------|--------|--------|
| cULus Recognized               |        |        |
|                                | B      | C      |
| mm²/AWG/kcmil                  | 16-2/0 | 16-2/0 |
| Nominal current I <sub>N</sub> | 160 A  | 160 A  |
| Nominal voltage U <sub>N</sub> | 600 V  | 600 V  |

|                                                                                                            |       |
|------------------------------------------------------------------------------------------------------------|-------|
| VDE Zeichengenehmigung  |       |
| mm²/AWG/kcmil                                                                                              | 10-95 |

## PCB connection terminal block - MKDSP 50/ 3-17,5 - 1856139

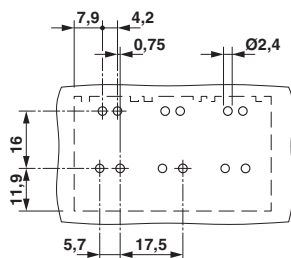
### Approvals

|                       |        |
|-----------------------|--------|
| Nominal current $I_N$ | 232 A  |
| Nominal voltage $U_N$ | 1000 V |

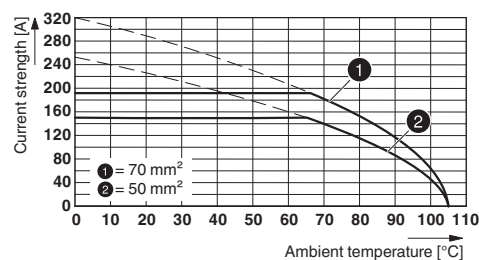
|                                                                                                   |        |
|---------------------------------------------------------------------------------------------------|--------|
| IECEE CB Scheme  |        |
| mm <sup>2</sup> /AWG/kcmil                                                                        | 10-95  |
| Nominal current $I_N$                                                                             | 232 A  |
| Nominal voltage $U_N$                                                                             | 1000 V |

### Drawings

Drilling diagram

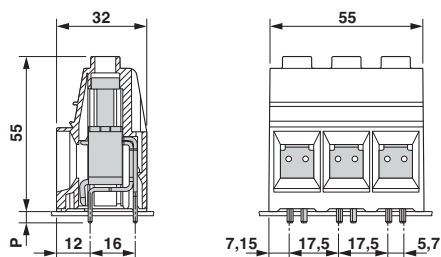


Diagram



Type: MKDSP 50/..-17,5-F

Dimensional drawing



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