

PCB terminal block - MKDSP 25/ 1-15,00-FL - 1932575

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PCB terminal block, Nominal current: 125 A, Nom. voltage: 1000 V, Pitch: 15 mm, Number of positions: 1, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green, Avoid placing permanent mechanical loads on the terminal

The figure shows a 1-pos. version of the product

Product Features

- 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
- Mounting flanges reduce the mechanical strain on the soldering spots
- Integrated protective guide prevents incorrect insertion of the conductor underneath the tension sleeve



Key Commercial Data

| | |
|--------------------------------------|----------|
| Packing unit | 1 pc |
| Minimum order quantity | 25 pc |
| Weight per Piece (excluding packing) | 22.9 g |
| Custom tariff number | 85369010 |
| Country of origin | Bulgaria |

Technical data

Dimensions

| | |
|-----------------------|--------------|
| Length | 31 mm |
| Pitch | 15.00 mm |
| Constructional height | 39 mm |
| Pin dimensions | 1,2 x 1,2 mm |
| Hole diameter | 1.6 mm |

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Technical data

General

| | |
|----------------------------------------|-----------------------------------------------------------------------------------|
| Range of articles | MKDSP 25/..-FL |
| Insulating material group | I |
| Rated surge voltage (III/3) | 8 kV |
| Rated surge voltage (III/2) | 8 kV |
| Rated surge voltage (II/2) | 8 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 | 125 A |
| Nominal cross section | 35 mm ² |
| Maximum load current | 125 A |
| Insulating material | PA |
| Solder pin surface | Sn |
| Flammability rating according to UL 94 | V0 |
| Internal cylindrical gage | B7 |
| Stripping length | 18 mm |
| Number of positions | 1 |
| Screw thread | M5 |
| Tightening torque, min | 2.5 Nm |
| Tightening torque max | 4.5 Nm |
| Note | Tightening torque $\leq 25 \text{ mm}^2$ is 2.5 Nm, $> 25 \text{ mm}^2$ is 4.5 Nm |

Connection data

| | |
|----------------------------------------------------------------------------|---------------------|
| Conductor cross section solid min. | 0.5 mm ² |
| Conductor cross section solid max. | 35 mm ² |
| Conductor cross section flexible min. | 0.5 mm ² |
| Conductor cross section flexible max. | 35 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 1 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 35 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 1.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 35 mm ² |
| Conductor cross section AWG min. | 20 |
| Conductor cross section AWG max. | 2 |
| 2 conductors with same cross section, solid min. | 0.5 mm ² |
| 2 conductors with same cross section, solid max. | 6 mm ² |
| 2 conductors with same cross section, stranded min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded max. | 6 mm ² |

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Technical data

Connection data

| | |
|-----------------------------------------------------------------------------------------|---------------------|
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 4 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 6 mm ² |

Standards and Regulations

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

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27141109 |
| eCl@ss 4.1 | 27141109 |
| eCl@ss 5.0 | 27141190 |
| eCl@ss 5.1 | 27141190 |
| eCl@ss 6.0 | 27260704 |
| eCl@ss 7.0 | 27440402 |
| eCl@ss 8.0 | 27440401 |
| eCl@ss 9.0 | 27440401 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002643 |
| ETIM 5.0 | EC002643 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211801 |
| UNSPSC 7.0901 | 39121432 |
| UNSPSC 11 | 39121432 |
| UNSPSC 12.01 | 39121432 |
| UNSPSC 13.2 | 39121432 |

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Approvals

Approvals

Approvals

SEV / CCA / IEC EE CB Scheme / SEV / EAC / EAC / cULus Recognized


Ex Approvals

Approvals submitted

Approval details

| | |
|--------------------------------|--------|
| SEV | |
| mm ² /AWG/kcmil | 35 |
| Nominal current I _N | 125 A |
| Nominal voltage U _N | 1000 V |

CCA

IECEE CB Scheme 

| | |
|--------------------------------|--------|
| SEV | |
| mm ² /AWG/kcmil | 35 |
| Nominal current I _N | 125 A |
| Nominal voltage U _N | 1000 V |

EAC

EAC

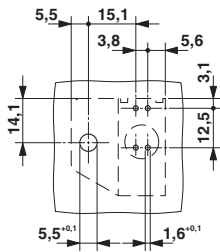
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Approvals

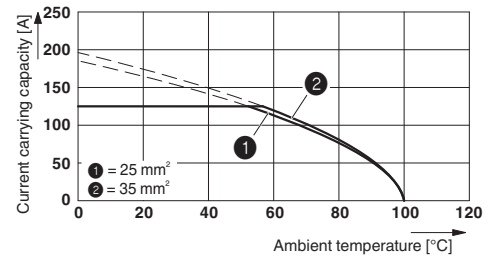
| | | |
|--------------------------------|-------|-------|
| cULus Recognized | | |
| | B | C |
| mm ² /AWG/kcmil | 20-2 | 20-2 |
| Nominal current I _N | 115 A | 115 A |
| Nominal voltage U _N | 600 V | 600 V |

Drawings

Drilling diagram



Diagram



Type: MKDSP 25/...-15,00
 Tested in accordance with DIN EN 60512-5-2:2003-01
 Reduction factor = 1
 No. of positions: 5

Dimensional drawing

