

## PCB terminal block - MKDSP 25/ 4-15,00 - 1932601

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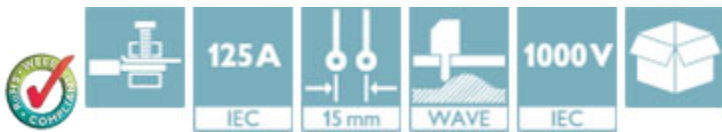


PCB terminal block, Nominal current: 125 A, Nom. voltage: 1000 V, Pitch: 15 mm, Number of positions: 4, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green, Avoid placing permanent mechanical loads on the terminal

The figure shows a 5-pos. version of the product

### Product Features

- Integrated test connection
- High-capacity PCB terminal blocks with screw connection up to 35 mm<sup>2</sup> conductor cross section and a current carrying capacity of 125 A
- Unlimited 600 V UL approval
- Integrated protective guide



### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Minimum order quantity               | 25 pc    |
| Weight per Piece (excluding packing) | 85.82 g  |
| Custom tariff number                 | 85369010 |
| Country of origin                    | Bulgaria |

### Technical data

#### Dimensions

|                          |          |
|--------------------------|----------|
| Length                   | 31 mm    |
| Pitch                    | 15.00 mm |
| Dimension a              | 45 mm    |
| Width                    | 60 mm    |
| Constructional height    | 39 mm    |
| Height                   | 43.5 mm  |
| Length of the solder pin | 4.5 mm   |

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## Technical data

### Dimensions

|                |              |
|----------------|--------------|
| Pin dimensions | 1,2 x 1,2 mm |
| Hole diameter  | 1.6 mm       |

### General

|  |   |
|--|---|
| Range of articles                      | MKDSP 25  |
| 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 <sup>2</sup>  |
| 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                    | 4   |
| 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 <sup>2</sup> |
| Conductor cross section solid max.   | 35 mm <sup>2</sup>  |
| Conductor cross section flexible min.                                      | 0.5 mm <sup>2</sup> |
| Conductor cross section flexible max.                                      | 35 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 1 mm <sup>2</sup>   |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 35 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.    | 35 mm <sup>2</sup>  |
| Conductor cross section AWG min.   | 20                  |
| Conductor cross section AWG max.   | 2                   |

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## Technical data

### Connection data

|   |                     |
|---|---------------------|
| 2 conductors with same cross section, solid min.  | 0.5 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.  | 6 mm <sup>2</sup>   |
| 2 conductors with same cross section, stranded min.                                     | 0.5 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded max.                                     | 6 mm <sup>2</sup>   |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.5 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 4 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. | 6 mm <sup>2</sup>   |

### 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 |

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## Classifications

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 13.2 | 39121432 |
|-------------|----------|

## Approvals

### Approvals

#### Approvals

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

#### Ex Approvals

#### Approvals submitted

## Approval details

|                                |        |
|--------------------------------|--------|
| SEV                            |        |
| mm <sup>2</sup> /AWG/kcmil     | 35     |
| Nominal current I <sub>N</sub> | 125 A  |
| Nominal voltage U <sub>N</sub> | 1000 V |

|     |
|-----|
| CCA |
|-----|

|                 |
|-----------------|
| IECEE CB Scheme |
|-----------------|

|                                |        |
|--------------------------------|--------|
| SEV                            |        |
| mm <sup>2</sup> /AWG/kcmil     | 35     |
| Nominal voltage U <sub>N</sub> | 1000 V |

|     |
|-----|
| EAC |
|-----|

|     |
|-----|
| EAC |
|-----|

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## Approvals

| cULus Recognized               |       |       |
|--------------------------------|-------|-------|
|                                | B     | C     |
| mm <sup>2</sup> /AWG/kcmil     | 20-2  | 20-2  |
| Nominal current I <sub>N</sub> | 115 A | 115 A |
| Nominal voltage U <sub>N</sub> | 600 V | 600 V |



## Accessories

### Accessories

#### Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663



Insulating sleeve, Color: white

Insulating sleeve - MPS-IH RD - 0201676



Insulating sleeve, Color: red

Insulating sleeve - MPS-IH BU - 0201689



Insulating sleeve, Color: blue

## PCB terminal block - MKDSP 25/ 4-15,00 - 1932601

### Accessories

Insulating sleeve - MPS-IH YE - 0201692



Insulating sleeve, Color: yellow

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Insulating sleeve - MPS-IH GN - 0201702



Insulating sleeve, Color: green

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Insulating sleeve - MPS-IH GY - 0201728



Insulating sleeve, Color: gray

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Insulating sleeve - MPS-IH BK - 0201731



Insulating sleeve, Color: black

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### Labeled terminal marker

Zack Marker strip, flat - ZBF 15 CUS - 0825019



Zack Marker strip, flat, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: Snap into flat marker groove, for terminal block width: 15 mm, Lettering field: 5.15 x 15.1 mm

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## PCB terminal block - MKDSP 25/ 4-15,00 - 1932601

### Accessories

#### Screwdriver tools

Screwdriver - SZS 1,0X6,5 VDE - 1205079



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 6.5 x 150 mm, 2-component grip, with non-slip grip

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#### Terminal marking

Marker strip - SK 10,0 WH:REEL - 0812188



Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL, THERMOMARK X, THERMOMARK S1.1, THERMOMARK ROLL X1, Mounting type: Adhesive, Lettering field: continuous x 10 mm

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Zack Marker strip, flat - ZBF 15:UNBEDRUCKT - 0811202



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into flat marker groove, Lettering field: 15 x 5.2 mm

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#### Test plug terminal block

Reducing plug - RPS - 0201647



Reducing plug, Color: gray

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## Accessories

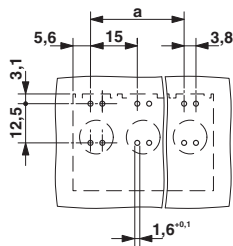
Test plugs - MPS-MT - 0201744



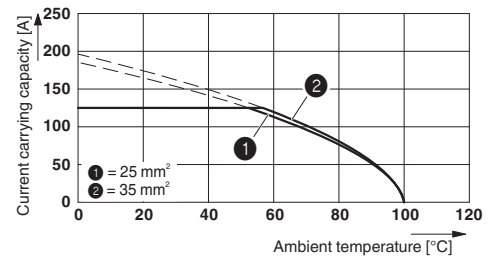
Test plugs, Color: silver

## Drawings

Drilling diagram

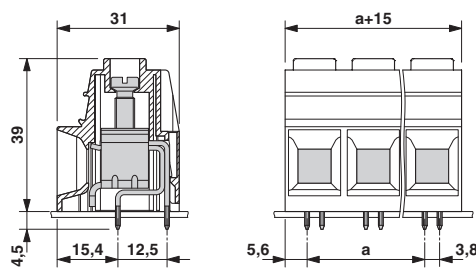


Diagram



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





# Mouser Electronics

Authorized Distributor

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