

## PCB terminal block base - MK3DSH 3/ 2-5,08 - 1723182

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PC terminal block, Nominal current: 24 A, Nom. voltage: 400 V, Pitch: 5.08 mm, Number of positions: 2, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green, The article can be aligned to create different nos. of positions!

### Why buy this product

- ☒ Single-row type, back level of the three-level PCB terminal block
- ☒ The tall types are suitable for applications with molded PCBs



### Key commercial data

|                        |                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit           | 1                                                                                                       |
| Minimum order quantity | 1                                                                                                       |
| Catalog page           | Page 103 (CC-2011)                                                                                      |
| GTIN                   | <br>4 017918 025175 |
| Custom tariff number   | 85369010                                                                                                |
| Country of origin      | GERMANY                                                                                                 |

### Technical data

#### Dimensions / positions

|                        |              |
|------------------------|--------------|
| Length                 | 12.1 mm      |
| Height                 | 44.8 mm      |
| Pitch                  | 5.08 mm      |
| Dimension a            | 5.08 mm      |
| Number of positions    | 2            |
| Pin dimensions         | 0,9 x 0,9 mm |
| Hole diameter          | 1.3 mm       |
| Screw thread           | M3           |
| Tightening torque, min | 0.5 Nm       |
| Tightening torque max  | 0.6 Nm       |

#### Technical data

|                           |          |
|---------------------------|----------|
| Range of articles         | MK3DSH 3 |
| Insulating material group | I        |

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## Technical data

### Technical data

|                                         |                                                       |
|-----------------------------------------|-------------------------------------------------------|
| 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 <sub>N</sub>          | 24 A                                                  |
| Nominal cross section                   | 2.5 mm <sup>2</sup>                                   |
| Maximum load current                    | 24 A (with 4 mm <sup>2</sup> conductor cross section) |
| Insulating material                     | PA                                                    |
| Inflammability class according to UL 94 | V0                                                    |
| Internal cylindrical gage               | A3                                                    |
| Stripping length                        | 7 mm                                                  |
| Nominal voltage, UL/CUL Use Group B     | 125 V                                                 |
| Nominal current, UL/CUL Use Group B     | 15 A                                                  |
| Nominal voltage, UL/CUL Use Group D     | 300 V                                                 |
| Nominal current, UL/CUL Use Group D     | 10 A                                                  |

### Connection data

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.                                                      | 4 mm <sup>2</sup>    |
| Conductor cross section stranded min.                                                   | 0.2 mm <sup>2</sup>  |
| Conductor cross section stranded max.                                                   | 2.5 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.                 | 1.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.                                                  | 24                   |
| Conductor cross section AWG/kcmil max                                                   | 12                   |
| 2 conductors with same cross section, solid min.                                        | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid max.                                        | 1.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded min.                                     | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded max.                                     | 1.5 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.   | 0.75 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. | 1.5 mm <sup>2</sup>  |

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### Technical data

#### Connection data

|                                 |    |
|---------------------------------|----|
| Minimum AWG according to UL/CUL | 30 |
| Maximum AWG according to UL/CUL | 12 |

### Classifications

#### eclass

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141109 |
| eCl@ss 4.1 | 27141109 |
| eCl@ss 5.0 | 27141190 |
| eCl@ss 5.1 | 27141190 |
| eCl@ss 6.0 | 27261101 |
| eCl@ss 7.0 | 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 |

### Approvals

#### Approvals

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##### Approvals

UL Recognized / SEV / cUL Recognized / GOST / CCA / IECEx CB Scheme / GOST / cULus Recognized

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##### Ex Approvals

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##### Approvals submitted

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##### Approval details

## PCB terminal block base - MK3DSH 3/ 2-5,08 - 1723182

### Approvals

| UL Recognized  |       |       |
|-------------------------------------------------------------------------------------------------|-------|-------|
|                                                                                                 | B     | D     |
| mm²/AWG/kcmil                                                                                   | 30-12 | 30-12 |
| Nominal current I <sub>N</sub>                                                                  | 15 A  | 10 A  |
| Nominal voltage U <sub>N</sub>                                                                  | 125 V | 300 V |

| SEV                            |       |
|--------------------------------|-------|
|                                |       |
| mm²/AWG/kcmil                  | 4     |
| Nominal voltage U <sub>N</sub> | 250 V |

| cUL Recognized  |       |       |
|--------------------------------------------------------------------------------------------------|-------|-------|
|                                                                                                  | B     | D     |
| mm²/AWG/kcmil                                                                                    | 30-12 | 30-12 |
| Nominal current I <sub>N</sub>                                                                   | 15 A  | 10 A  |
| Nominal voltage U <sub>N</sub>                                                                   | 125 V | 300 V |

|                                                                                          |
|------------------------------------------------------------------------------------------|
| GOST  |
|------------------------------------------------------------------------------------------|

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

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

|                                                                                          |
|------------------------------------------------------------------------------------------|
| GOST  |
|------------------------------------------------------------------------------------------|

|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| cULus Recognized  |
|------------------------------------------------------------------------------------------------------|

### Accessories

Accessories

Assembly

## PCB terminal block base - MK3DSH 3/ 2-5,08 - 1723182

### Accessories

Cover - EA-MKDS - 1711408



Single cover, to cover individual terminal positions, snap-fitting, color: orange, transparent

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### Marking

Marker cards - SK 5,08/3,8:FORTL.ZAHLEN - 0804293



Marker cards, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, For terminal block width: 5.08 mm

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### Tools

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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Insertion bridge - EBP 2- 5 - 1733169



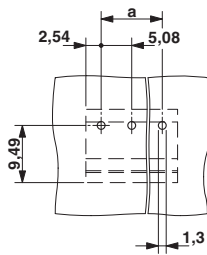
Insertion bridge, fully insulated, for plug connectors with 5.0 or 5.08 mm pitch, no. of positions: 2

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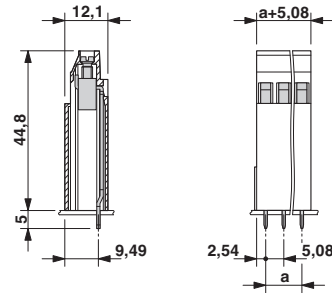
### Drawings

## PCB terminal block base - MK3DSH 3/ 2-5,08 - 1723182

Drilling diagram

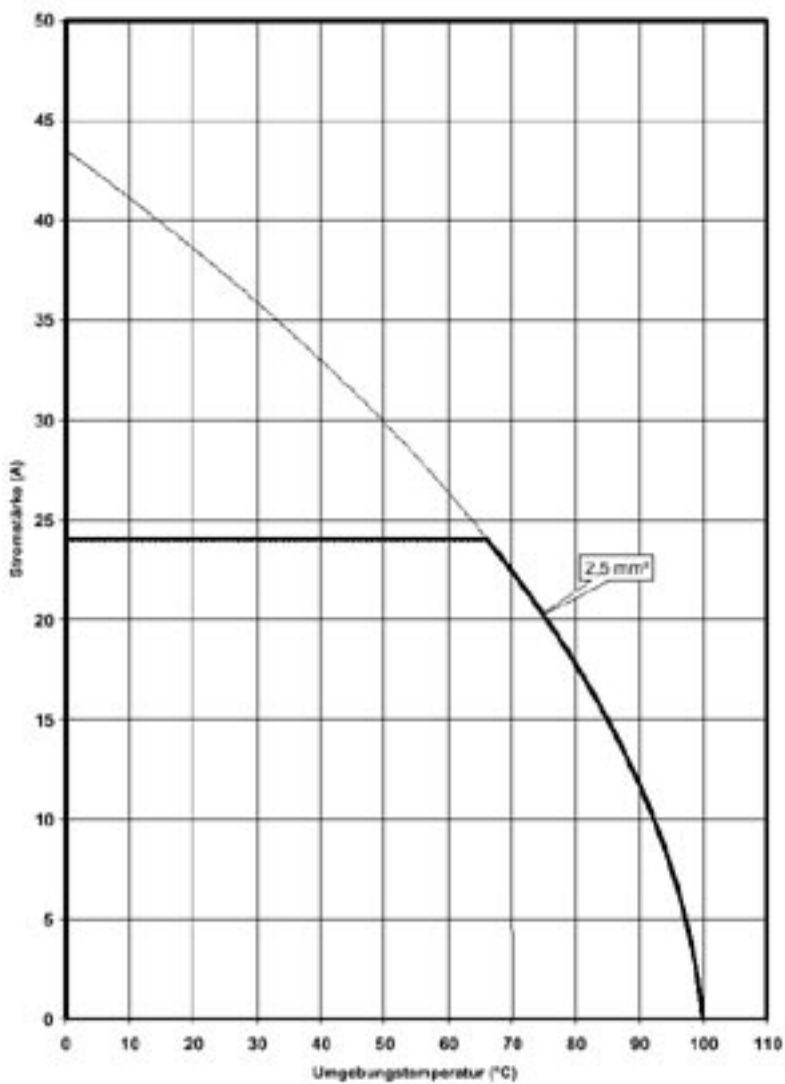


Dimensioned drawing



The illustration shows the dimensional drawing of the 3-position version

Diagram



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