

## Sample set - SAMPLE PTSM 0,5/ 8-2,5-H-SMD - 1701083

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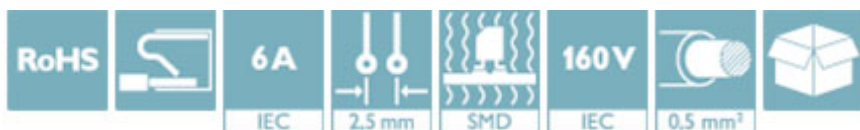


The illustration shows the 3-pos. version

PCB terminal block, Nominal current: 6 A, Nom. voltage: 160 V, Pitch: 2.5 mm, Number of positions: 8, Connection method: Push-in spring connection, Mounting: SMD soldering, Conductor/PCB connection direction: 0 °, Color: black

### Why buy this product

- ✓ Time saving push-in connection, tools not required
- ✓ Defined contact force ensures that contact remains stable over the long term
- ✓ High current carrying capacity of 6 A in very compact dimensions
- ✓ Designed for integration into the SMT soldering process
- ✓ Additional solder anchors reduce the mechanical strain on the soldering spots



### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 5 STK                                                                                                   |
| Minimum order quantity               | 5 STK                                                                                                   |
| GTIN                                 | <br>4 046356 515160 |
| GTIN                                 | 4046356515160                                                                                           |
| Weight per Piece (excluding packing) | 1.920 g                                                                                                 |
| Custom tariff number                 | 85369010                                                                                                |
| Country of origin                    | India                                                                                                   |

### Technical data

#### Dimensions

|                          |         |
|--------------------------|---------|
| Length                   | 9 mm    |
| Pitch                    | 2.5 mm  |
| Dimension a              | 17.5 mm |
| Height                   | 5 mm    |
| Length of the solder pin | 2 mm    |
| Pin spacing              | 2.5 mm  |

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### Technical data

#### General

|                                        |                     |
|----------------------------------------|---------------------|
| Range of articles                      | PTSM 0,5/...-H-SMD  |
| Insulating material group              | IIIa                |
| Rated surge voltage (III/3)            | 2.5 kV              |
| Rated surge voltage (III/2)            | 2.5 kV              |
| Rated surge voltage (II/2)             | 2.5 kV              |
| Rated voltage (III/3)                  | 32 V                |
| Rated voltage (III/2)                  | 160 V               |
| Rated voltage (II/2)                   | 160 V               |
| Connection in acc. with standard       | EN-VDE              |
| Nominal current $I_N$                  | 6 A                 |
| Nominal cross section                  | 0.5 mm <sup>2</sup> |
| Maximum load current                   | 6 A                 |
| Insulating material                    | LCP                 |
| Solder pin surface                     | Sn                  |
| Flammability rating according to UL 94 | V0                  |
| Stripping length                       | 6 mm                |
| Number of positions                    | 8                   |

#### Connection data

|                                       |                      |
|---------------------------------------|----------------------|
| Conductor cross section solid min.    | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.    | 0.5 mm <sup>2</sup>  |
| Conductor cross section flexible min. | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max. | 0.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.      | 26                   |
| Conductor cross section AWG max.      | 20                   |

#### Standards and Regulations

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

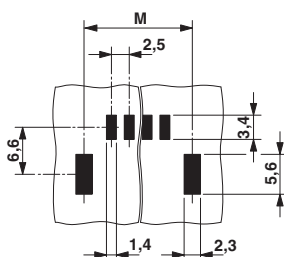
#### Environmental Product Compliance

|            |                                                         |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

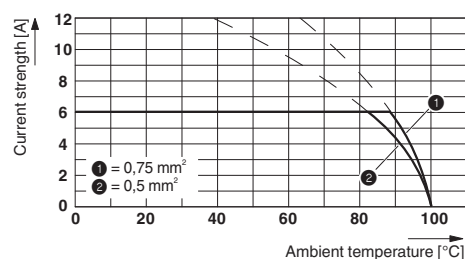
### Drawings

## Sample set - SAMPLE PTSM 0,5/ 8-2,5-H-SMD - 1701083

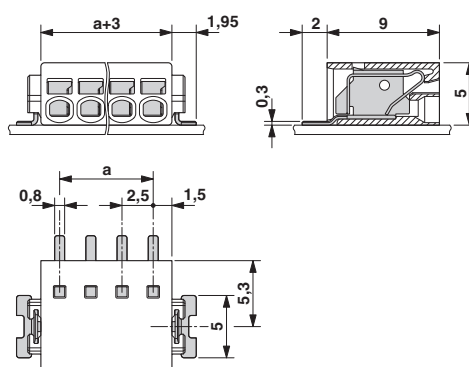
Drilling diagram



Diagram



Dimensional drawing



## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141111 |
| 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 |
| eCl@ss 8.0 | 27440401 |
| eCl@ss 9.0 | 27440401 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002643 |
| ETIM 5.0 | EC002643 |
| ETIM 6.0 | EC002643 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211801 |
| UNSPSC 7.0901 | 39121432 |
| UNSPSC 11     | 34131203 |
| UNSPSC 12.01  | 39121432 |

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### Classifications

#### UNSPSC

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

### Approvals

#### Approvals

#### Approvals

#### EAC

#### Ex Approvals

### Approval details

|     |                                                                                    |         |
|-----|------------------------------------------------------------------------------------|---------|
| EAC |  | B.01742 |
|-----|------------------------------------------------------------------------------------|---------|

### Accessories

#### Accessories

#### Screwdriver tools

#### Screwdriver - SZS 0,4X2,0 - 1205202



Micro screwdriver, bladed, size: 0.4 x 2.0 x 60 mm, 2-component grip, with non-slip grip and twist cap

### Additional products

#### PCB terminal block - PTSM 0,5/ 8-2,5-H SMD R44 - 1771088



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