

## Sample set - SAMPLE PTSM 0,5/ 2-HV-2,5-THR - 1785906

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 2, Pitch: 2.5 mm, Color: black, Contact surface: Tin, Mounting: THR soldering

The illustration shows the 3-pos. version

### Why buy this product

- ✓ Designed for integration into the SMT soldering process
- ✓ Supplied in tape-on-reel packing according to IEC 60286-3 for automated mounting
- ✓ Vertical connection enables multi-row arrangement on the PCB



### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 5 STK                                                                                                   |
| Minimum order quantity               | 5 STK                                                                                                   |
| GTIN                                 | <br>4 046356 570725 |
| GTIN                                 | 4046356570725                                                                                           |
| Weight per Piece (excluding packing) | 1.100 g                                                                                                 |
| Custom tariff number                 | 85369010                                                                                                |
| Country of origin                    | India                                                                                                   |

### Technical data

#### Dimensions

|                          |              |
|--------------------------|--------------|
| Length                   | 5 mm         |
| Pitch                    | 2.5 mm       |
| Dimension a              | 2.5 mm       |
| Constructional height    | 7.5 mm       |
| Height                   | 7.5 mm       |
| Length of the solder pin | 2 mm         |
| Pin dimensions           | 0,6 x 0,6 mm |
| Pin spacing              | 2.50 mm      |

## Sample set - SAMPLE PTSM 0,5/ 2-HV-2,5-THR - 1785906

### Technical data

#### Dimensions

|               |        |
|---------------|--------|
| Hole diameter | 1.1 mm |
|---------------|--------|

#### General

|                                        |                     |
|----------------------------------------|---------------------|
| Range of articles                      | PTSM 0,5/...-HV-THR |
| 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)                  | 50 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                 |
| Maximum load current                   | 6 A                 |
| Insulating material                    | LCP                 |
| Flammability rating according to UL 94 | V0                  |
| Color                                  | black               |
| Number of positions                    | 2                   |

#### Standards and Regulations

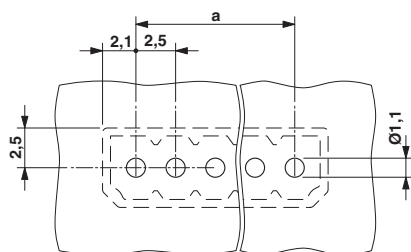
|                                        |        |
|----------------------------------------|--------|
| Connection in acc. with standard       | EN-VDE |
| Flammability rating according to UL 94 | V0     |

#### Environmental Product Compliance

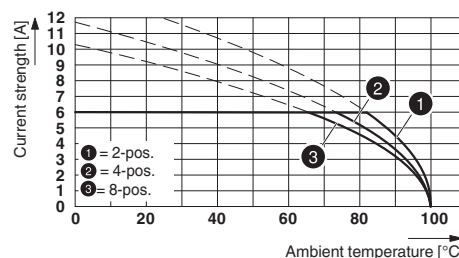
|            |                                                         |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

### Drawings

Drilling diagram



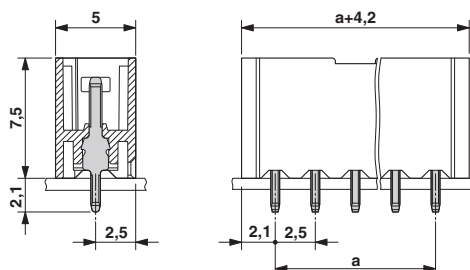
Diagram



Derating curve for: PTSM 0,5/...-P-2,5 with PTSM 0,5/...-HV-2,5-THR R...

## Sample set - SAMPLE PTSM 0,5/ 2-HV-2,5-THR - 1785906

Dimensional drawing



### Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27261101 |
| eCl@ss 7.0 | 27440401 |
| eCl@ss 8.0 | 27440402 |
| eCl@ss 9.0 | 27440402 |

ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002637 |
| ETIM 5.0 | EC002637 |
| ETIM 6.0 | EC002637 |

UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211810 |
| UNSPSC 7.0901 | 39121409 |
| UNSPSC 11     | 39121409 |
| UNSPSC 12.01  | 39121409 |
| UNSPSC 13.2   | 39121409 |

### Approvals

Approvals

Approvals

EAC

Ex Approvals

## Sample set - SAMPLE PTSM 0,5/ 2-HV-2,5-THR - 1785906

### Approvals

---

#### Approval details

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

### Accessories

#### Additional products

Base strip - PTSM 0,5/ 2-HV-2,5-THR R32 - 1778557



Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 2, Pitch: 2.5 mm, Color: black,  
Contact surface: Tin, Mounting: THR soldering