

## Feed-through header - PTSM 0,5/ 5-HH-2,5-THR WH R32 - 1814870

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PCB headers, nominal current: 6 A, rated voltage (III/2): 160 V, nominal cross section: 0.5 mm<sup>2</sup>, number of positions: 5, pitch: 2.5 mm, color: white, contact surface: Tin, mounting: THR soldering, pin layout: Linear pinning, solder pin [P]: 2.1 mm

The figure shows a 3-position version

### Your advantages

- ✓ White design: Stable color when welding and during use
- ✓ Designed for integration into the SMT soldering process
- ✓ Supplied in tape-on-reel packing according to IEC 60286-3 for automated mounting



### Key Commercial Data

|                        |                                                                                      |
|------------------------|--------------------------------------------------------------------------------------|
| Packing unit           | 500 pc                                                                               |
| Minimum order quantity | 500 pc                                                                               |
| GTIN                   |  |
| GTIN                   | 4046356760621                                                                        |

### Technical data

#### Dimensions

|                          |              |
|--------------------------|--------------|
| Length [ l ]             | 7.5 mm       |
| Width                    | 14.2 mm      |
| Pitch                    | 2.5 mm       |
| Dimension a              | 10 mm        |
| Width [ w ]              | 14.2 mm      |
| Height [ h ]             | 7 mm         |
| Installed height         | 5 mm         |
| Length of the solder pin | 2.1 mm       |
| Pin dimensions           | 0.6 x 0.6 mm |
| Pin spacing              | 2.50 mm      |
| Length                   | 7.5 mm       |

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### Technical data

#### General

|                                        |                       |
|----------------------------------------|-----------------------|
| Range of articles                      | PTSM 0,5/...HH-THR WH |
| Insulating material group              | I                     |
| 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)                  | 125 V                 |
| Rated voltage (III/2)                  | 160 V                 |
| Rated voltage (II/2)                   | 320 V                 |
| Connection in acc. with standard       | EN-VDE                |
| Nominal current $I_N$                  | 6 A                   |
| Maximum load current                   | 6 A                   |
| Insulating material                    | HT PA                 |
| Flammability rating according to UL 94 | V0                    |
| Color                                  | white                 |
| Number of positions                    | 5                     |

#### Standards and Regulations

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

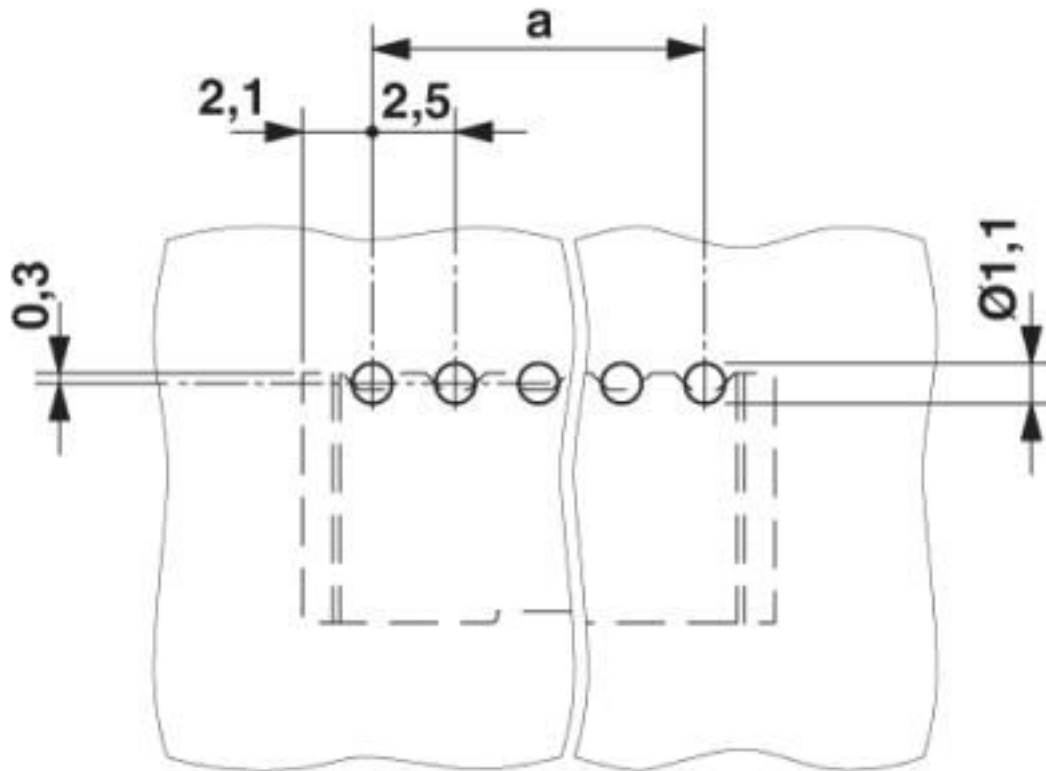
#### Environmental Product Compliance

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

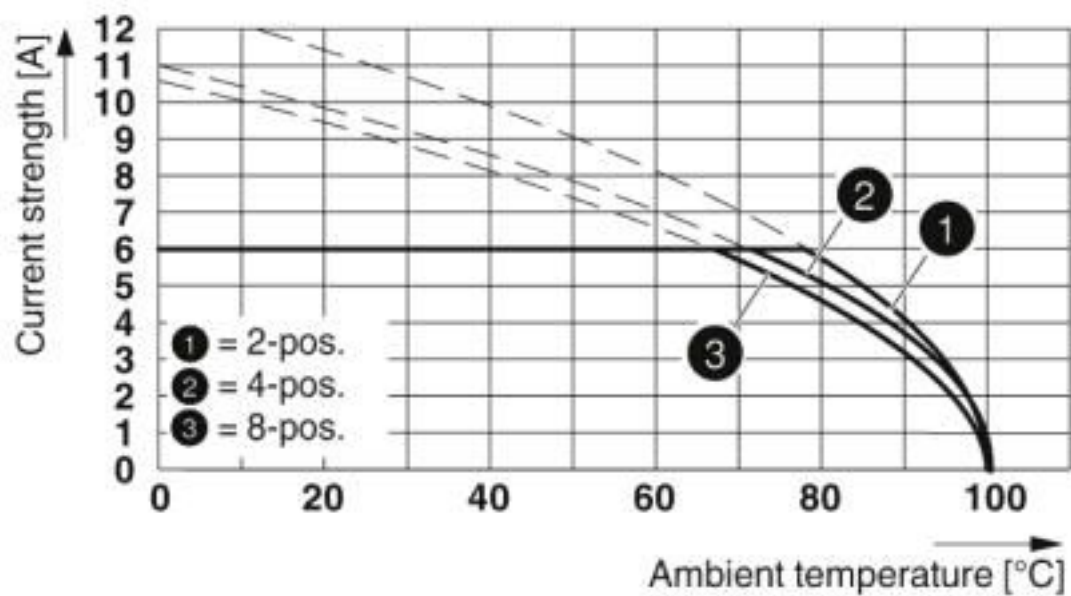
### Drawings

## Feed-through header - PTSM 0,5/ 5-HH-2,5-THR WH R32 - 1814870

Drilling diagram



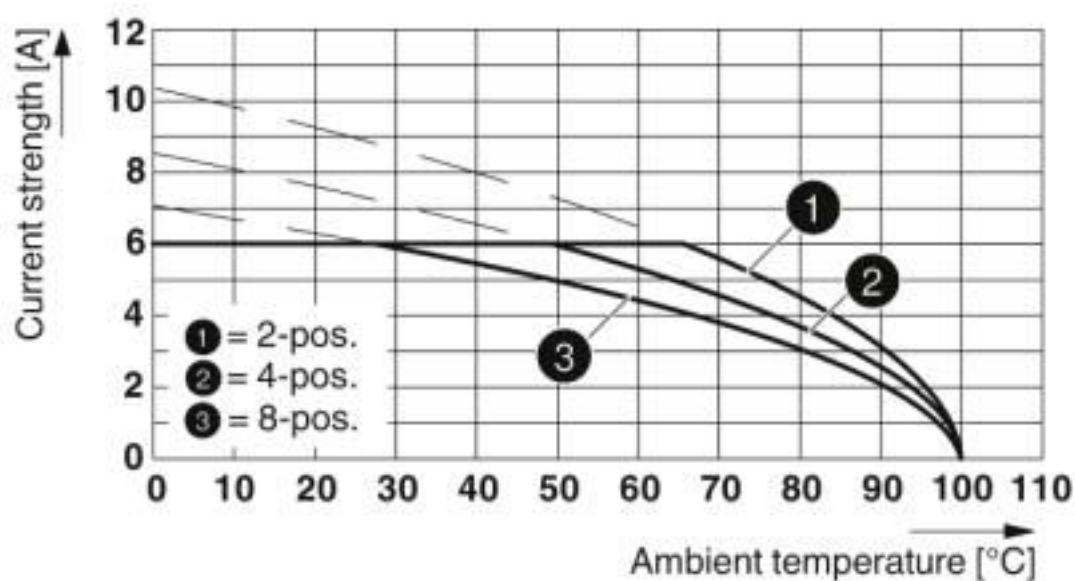
Diagram



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

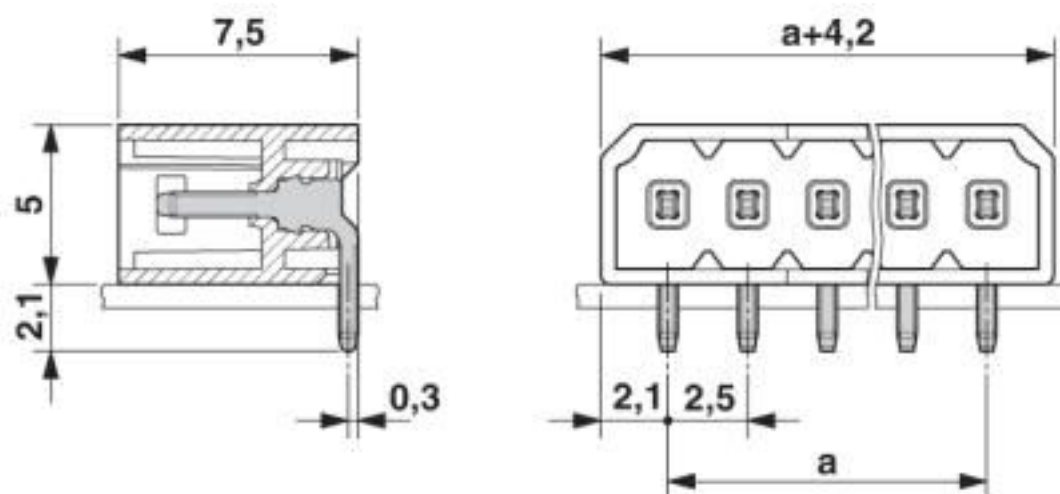
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Diagram



Type: PTSM 0,5/...-HH11-2,5-THR R... with PTSM 0,5/...-HH-2,5-THR R...

Dimensional drawing



## Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27440402 |
| eCl@ss 4.0    | 27260700 |
| eCl@ss 4.1    | 27260700 |
| eCl@ss 5.0    | 27260700 |
| eCl@ss 5.1    | 27260700 |
| eCl@ss 6.0    | 27260700 |

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### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 7.0 | 27440402 |
| eCl@ss 8.0 | 27440402 |
| eCl@ss 9.0 | 27440402 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002643 |
| ETIM 5.0 | EC002637 |
| ETIM 6.0 | EC002637 |
| ETIM 7.0 | EC002637 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211801 |
| UNSPSC 7.0901 | 39121432 |
| UNSPSC 11     | 39121432 |
| UNSPSC 12.01  | 39121432 |
| UNSPSC 13.2   | 39121409 |
| UNSPSC 18.0   | 39121409 |
| UNSPSC 19.0   | 39121409 |
| UNSPSC 20.0   | 39121409 |
| UNSPSC 21.0   | 39121409 |

### Approvals

#### Approvals

#### Approvals

UL Recognized / VDE Zeichengenehmigung / EAC / cULus Recognized

#### Ex Approvals

#### Approval details

|                    |                                                                                     |                                                                                                                                                                        |
|--------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UL Recognized      |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> E118976-20130619 |
|                    |                                                                                     | B                                                                                                                                                                      |
| Nominal voltage UN |                                                                                     | 150 V                                                                                                                                                                  |
| Nominal current IN |                                                                                     | 5 A                                                                                                                                                                    |

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### Approvals

|                        |                                                                                   |                                                                                                                                                                                                           |          |
|------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| VDE Zeichengenehmigung |  | <a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a> | 40048497 |
| Nominal voltage UN     | 160 V                                                                             |                                                                                                                                                                                                           |          |
| Nominal current IN     | 6 A                                                                               |                                                                                                                                                                                                           |          |
| mm²/AWG/kcmil          | 0.14-.5                                                                           |                                                                                                                                                                                                           |          |

|     |                                                                                   |         |
|-----|-----------------------------------------------------------------------------------|---------|
| EAC |  | B.01687 |
|-----|-----------------------------------------------------------------------------------|---------|

|                    |                                                                                   |                                                                                                                                                       |                 |
|--------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| cULus Recognized   |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E60425-20110108 |
|                    | B                                                                                 |                                                                                                                                                       |                 |
| Nominal voltage UN | 150 V                                                                             |                                                                                                                                                       |                 |
| Nominal current IN | 6 A                                                                               |                                                                                                                                                       |                 |

### Accessories

#### Additional products

Sample set - SAMPLE PTSM 0,5/ 5-HH-2,5-THR - 1786002



PCB headers, nominal current: 6 A, rated voltage (III/2): 160 V, nominal cross section: 0.5 mm², number of positions: 5, pitch: 2.5 mm, color: black, contact surface: Tin, mounting: THR soldering, pin layout: Linear pinning, solder pin [P]: 2.1 mm

Printed-circuit board connector - PTSM 0,5/ 5-P-2,5 WH - 1704858



PCB connector, nominal current: 6 A, rated voltage (III/2): 160 V, nominal cross section: 0.5 mm², number of positions: 5, pitch: 2.5 mm, connection method: Push-in spring connection, color: white, contact surface: Tin

## Feed-through header - PTSM 0,5/ 5-HH-2,5-THR WH R32 - 1814870

### Accessories

Feed-through header - PTSM 0,5/ 5-HHI-2,5-SMD WHR44 - 1707994



PCB headers, nominal current: 6 A, rated voltage (III/2): 160 V, nominal cross section: 0.5 mm<sup>2</sup>, number of positions: 5, pitch: 2.5 mm, color: white, contact surface: Tin, mounting: SMD soldering, pin layout: Linear pad geometry, solder pin [P]: 2 mm, Article with anti-rotation pin

Feed-through header - PTSM 0,5/ 5-HHI0-2,5-SMD WHR44 - 1815222



PCB headers, nominal current: 6 A, rated voltage (III/2): 160 V, nominal cross section: 0.5 mm<sup>2</sup>, number of positions: 5, pitch: 2.5 mm, color: white, contact surface: Tin, mounting: SMD soldering, pin layout: Linear pad geometry

Feed-through header - PTSM 0,5/ 5-HHI-2,5-THR WH R32 - 1815015



PCB headers, nominal current: 6 A, rated voltage (III/2): 160 V, nominal cross section: 0.5 mm<sup>2</sup>, number of positions: 5, pitch: 2.5 mm, color: white, contact surface: Tin, mounting: THR soldering, pin layout: Linear pinning, solder pin [P]: 2.1 mm

Printed-circuit board connector - PTSM 0,5/ 5-PL-2,5 WH - 1709462



PCB connector, nominal current: 6 A, rated voltage (III/2): 160 V, nominal cross section: 0.5 mm<sup>2</sup>, number of positions: 5, pitch: 2.5 mm, connection method: Push-in spring connection, color: white, contact surface: Tin

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