

Printed-circuit board connector - PTSM 0,5/ 8-P-2,5 - 1778890

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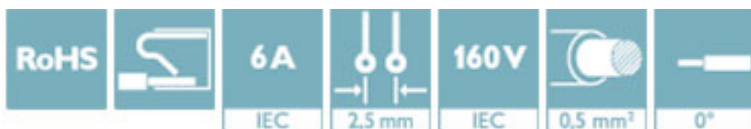


PCB connector, nominal current: 6 A, rated voltage (III/2): 160 V, number of positions: 8, pitch: 2.5 mm, connection method: Push-in spring connection, color: black, contact surface: Tin

The figure shows a 3-position version

Your advantages

- ✓ 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



Key Commercial Data

| | |
|--------------------------------------|---------------|
| Packing unit | 100 pc |
| GTIN | |
| GTIN | 4046356530101 |
| Weight per Piece (excluding packing) | 2.160 g |
| Custom tariff number | 85366990 |
| Country of origin | Poland |

Technical data

Dimensions

| | |
|--------------|---------|
| Length [l] | 15 mm |
| Width [w] | 21.1 mm |
| Height [h] | 5 mm |
| Pitch | 2.5 mm |
| Dimension a | 17.5 mm |

General

| | |
|---------------------|---------------|
| Range of articles | PTSM 0,5/..-P |
| Number of positions | 8 |

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Technical data

General

| | |
|--|---------------------------|
| Connection method | Push-in spring connection |
| 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) | 100 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 |
| Nominal cross section | 0.5 mm ² |
| Maximum load current | 6 A |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Stripping length | 6 mm |

Connection data

| | |
|--|----------------------|
| Conductor cross section solid min. | 0.14 mm ² |
| Conductor cross section solid max. | 0.5 mm ² |
| Conductor cross section flexible min. | 0.2 mm ² |
| Conductor cross section flexible max. | 0.5 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 0.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 0.34 mm ² |
| Conductor cross section AWG min. | 24 |
| Conductor cross section AWG max. | 20 |
| Minimum AWG according to UL/CUL | 26 |
| Maximum AWG according to UL/CUL | 20 |

Standards and Regulations

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

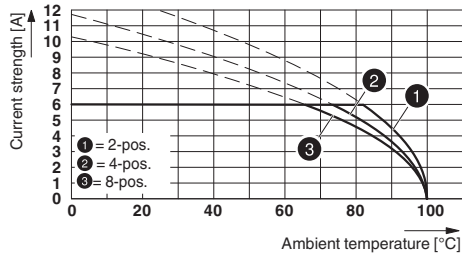
Environmental Product Compliance

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

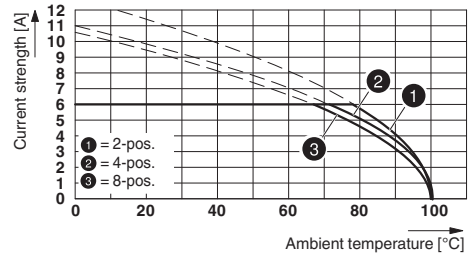
Drawings

Printed-circuit board connector - PTSM 0,5/ 8-P-2,5 - 1778890

Diagram

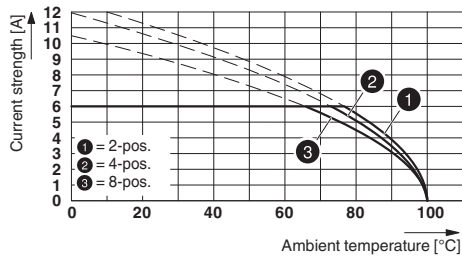


Diagram

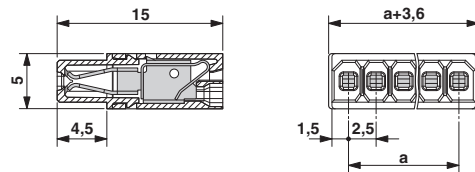


Derating curve for: PTSM 0,5/...-P-2,5 with PTSM 0,5/...-HV-2,5-THR R... Derating curve for: PTSM 0,5/...-P-2,5 with PTSM 0,5/...-HH-2,5-THR R..

Diagram



Dimensional drawing



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

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260700 |
| eCl@ss 6.0 | 27260700 |
| eCl@ss 7.0 | 27440309 |
| eCl@ss 8.0 | 27440309 |
| eCl@ss 9.0 | 27440309 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002638 |
| ETIM 5.0 | EC002637 |
| ETIM 6.0 | EC002638 |

UNSPSC

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

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Classifications

UNSPSC

| | |
|-------------|----------|
| UNSPSC 13.2 | 39121409 |
|-------------|----------|

Approvals

Approvals

Approvals

UL Recognized / VDE Zeichengenehmigung / EAC / cULus Recognized

Ex Approvals

Approval details

| | | | |
|----------------------------|--|---|------------------|
| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E118976-20130619 |
| | | | B |
| Nominal voltage UN | | | 150 V |
| Nominal current IN | | | 5 A |
| mm ² /AWG/kcmil | | | 26-18 |

| | | | |
|----------------------------|--|---|----------|
| VDE Zeichengenehmigung | | http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx | 40048497 |
| Nominal voltage UN | | | 160 V |
| Nominal current IN | | | 6 A |
| mm ² /AWG/kcmil | | | 0.14-.5 |

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

| | | | |
|----------------------------|--|---|-----------------|
| cULus Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E60425-20101209 |
| | | | B |
| Nominal voltage UN | | | 150 V |
| Nominal current IN | | | 5 A |
| mm ² /AWG/kcmil | | | 26-20 |

