

1709437

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PCB connector, nominal cross section: 0.5 mm², color: black, nominal current: 6 A, rated voltage (III/2): 160 V, contact surface: Tin, contact connection type: Pin, number of potentials: 4, number of rows: 1, number of positions: 4, number of connections: 4, product range: PTSM 0,5/..-PI, pitch: 2.5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, plug-in system: COMBICON PTSM, locking: without, mounting: without, type of packaging: packed in cardboard

## 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
- · Inverted connector with pin contacts for touch-proof device outputs or free-hanging cable/cable connections

### Commercial data

Item number	1709437
Packing unit	250 pc
Minimum order quantity	250 pc
Sales key	AA01
Product key	AAAFPD
GTIN	4055626130477
Weight per piece (including packing)	1.076 g
Weight per piece (excluding packing)	0.606 g
Customs tariff number	85366990
Country of origin	PL



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## Technical data

## Product properties

Product type	PCB connector
Product family	PTSM 0,5/PI
Product line	COMBICON Connectors XS
Туре	Inverted
Number of positions	4
Pitch	2.5 mm
Number of connections	4
Number of rows	1
Number of potentials	4

## Electrical properties

Nominal current I <sub>N</sub>	6 A
Nominal voltage U <sub>N</sub>	160 V
Degree of pollution	3
Contact resistance	4.2 mΩ
Rated voltage (III/3)	100 V
Rated surge voltage (III/3)	1.5 kV
Rated voltage (III/2)	160 V
Rated surge voltage (III/2)	2.5 kV
Rated voltage (II/2)	320 V
Rated surge voltage (II/2)	2.5 kV

## Connection data

## Connection technology

Туре	Inverted
Connector system	COMBICON PTSM
Nominal cross section	0.5 mm <sup>2</sup>
Contact connection type	Pin

### Interlock

Locking type	without
Mounting flange	without

### Conductor connection

Connection method	Push-in spring connection
Conductor/PCB connection direction	0 °
Conductor cross section rigid	0.14 mm² 0.5 mm²
Conductor cross section flexible	0.2 mm <sup>2</sup> 0.5 mm <sup>2</sup> (up to 0.75 mm <sup>2</sup> supported, with a stripping length of 7.5 mm and a rated insulation voltage of 32 V at III/2)
Conductor cross section AWG	24 20
Conductor cross section flexible, with ferrule without plastic	0.25 mm² 0.5 mm²



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sleeve	
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm <sup>2</sup> 0.34 mm <sup>2</sup> (possible from 0.14 mm <sup>2</sup> , when using ferrule AI 0.14- 6 GY in combination with crimping pliers CRIMPFOX 10T-F)
Cylindrical gauge a x b / diameter	- / 1.2 mm
Stripping length	6 mm

## Material specifications

### Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/JEDEC JESD 201
Contact material	Cu alloy
Surface characteristics	hot-dip tin-plated
Metal surface terminal point (top layer)	Tin (4 - 8 μm Sn)
Metal surface contact area (top layer)	Tin (4 - 8 μm Sn)

## Material data - housing

Color (Housing)	black (9005)
Insulating material	PA
Insulating material group	I
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0
Glow wire flammability index GWFI according to EN 60695-2-12	850
Glow wire ignition temperature GWIT according to EN 60695-2-13	775
Temperature for the ball pressure test according to EN 60695-10-2	125 °C

### **Dimensions**

Dimensional drawing	h
Pitch	2.5 mm
Width [w]	11.7 mm
Height [h]	5 mm
Length [I]	15.5 mm

### Mechanical tests

### Conductor connection

Specification	IEC 60999-1:1999-11
Result	Test passed

Test for conductor damage and slackening



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Specification	IEC 60999-1:1999-11
Result	Test passed
Repeated connection and disconnection	
Specification	IEC 60999-1:1999-11
Result	Test passed
5.0	
Pull-out test	
Specification	IEC 60999-1:1999-11
Conductor cross section/conductor type/tractive force setpoint/actual value	0.14 mm² / solid / > 10 N
Setponivastual value	0.2 mm² / flexible / > 10 N
	0.5 mm² / solid / > 20 N
	0.5 mm² / flexible / > 20 N
	0.75 mm² / flexible / > 30 N
Insertion and withdrawal forces	
Result	Test passed
No. of cycles	10
Insertion strength per pos. approx.	3 N
Withdraw strength per pos. approx.	2 N
Resistance of inscriptions	
Specification	IEC 60068-2-70:1995-12
Result	Test passed
Polarization and coding	
Specification Specification	IEC 60512-13-5:2006-02
Result	Test passed
Visual inspection	
Specification	IEC 60512-1-1:2002-02
Result	Test passed
Dimension check	
Specification	IEC 60512-1-2:2002-02
Result	Test passed

### Environmental and real-life conditions

## Vibration test

Specification	IEC 60068-2-6:2007-12
Frequency	10 - 150 - 10 Hz
Sweep speed	1 octave/min
Amplitude	0.35 mm (10 Hz 60.1 Hz)
Sweep speed	5g (60.1 Hz 150 Hz)
Test duration per axis	2.5 h

**Durability test** 



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Specification   ISO 6988:1985-02		
Contact resistance R₁         4.2 mΩ           Contact resistance R₂         4.3 mC           Insulation resistance, neighboring positions         > 5 MΩ           Ilmatic test         ISO 6988:1985-02           Corrosive stress         0.2 dm² 502 on 300 dm²/40 °C/1 cycle           Thermal stress         100 °C/168 h           Power-frequency withstand voltage         1.39 kV           Imbient conditions         -40 °C 100 °C (dependent on the derating curve)           Ambient temperature (operation)         -40 °C 70 °C           Ambient temperature (storage/transport)         30 % 70 %           Ambient temperature (assembly)         -5 °C 100 °C           Citrical tests         Specification           Tested number of positions         8           Association         IEC 60512-5-1:2002-02           Insulation resistance, neighboring positions         > 5 MΩ           Emperature cycles         Test passed           Specification         IEC 60091-1:1999-11           Insulation resistance, neighboring positions         > 5 MΩ           emperature cycles         IEC 600614-1:2007-04           psecification         IEC 60064-1:2007-04           Insulation voltage (III/2)         1.5 kV           minimum dearance value - non-homogenous field (III/2) <td>Specification</td> <td>IEC 60512-9-1:2010-03</td>	Specification	IEC 60512-9-1:2010-03
Contact resistance R₂         4.3 mΩ           Insection/withdrawal cycles         10           Insulation resistance, neighboring positions         > 5 MΩ           climatic test         ISO 6988:1985-02           Cornosive stress         0.2 dm² SO₂ on 300 dm³/40 °C/1 cycle           Thermal stress         100 °C/168 h           Power-frequency withstand voltage         1.39 kV           without conditions         -40 °C	Impulse withstand voltage at sea level	2.95 kV
Insulation resistance, neighboring positions   > 5 MΩ	Contact resistance R <sub>1</sub>	4.2 mΩ
Insulation resistance, neighboring positions   > 5 MΩ	Contact resistance R <sub>2</sub>	4.3 mΩ
Specification   ISO 6988:1985-02   O.2 dm² SO <sub>2</sub> on 300 dm²/40 °C/1 cycle	Insertion/withdrawal cycles	10
Specification   ISO 6988:1985-02	Insulation resistance, neighboring positions	> 5 MΩ
Corrosive stress   0.2 dm³ SO <sub>2</sub> on 300 dm³/40 °C/1 cycle	Climatic test	
Thermal stress   100 °C/168 h     Power-frequency withstand voltage   1.39 kV     Institute conditions     Ambient temperature (operation)   -40 °C 100 °C (dependent on the derating curve)     Ambient temperature (storage/transport)   -40 °C 70 °C     Relative humidity (storage/transport)   -30 % 70 %     Ambient temperature (assembly)   -5 °C 100 °C     Ctrical tests     Institute temperature (assembly)   -5 °C 100 °C     Ctrical tests     Institute temperature (assembly)   -5 °C 100 °C     Ctrical tests     Institute temperature (assembly)   -5 °C 100 °C     Ctrical tests     Institute temperature (assembly)   -5 °C 100 °C     Institute temperature opticities   -5 °C 100 °C     Institute temperature temperature temperature temperature temperature opticities   -5 °C 100 °C     Institute temperature design opticities   -5 °C 100 °C     Institute temperature design opticities   -5 °C 100 °C     Institute temperature te	Specification	ISO 6988:1985-02
Power-frequency withstand voltage   1.39 kV	Corrosive stress	0.2 dm <sup>3</sup> SO <sub>2</sub> on 300 dm <sup>3</sup> /40 °C/1 cycle
mbient conditions  Ambient temperature (operation)  Ambient temperature (storage/transport)  Ambient temperature (storage/transport)  Ambient temperature (storage/transport)  Ambient temperature (assembly)  -5 °C 100 °C  Relative humidity (storage/transport)  30 % 70 %  Ambient temperature (assembly)  -5 °C 100 °C  ctrical tests  hermal test   Test group C  Specification  IEC 60512-5-1:2002-02  Tested number of positions  8  susulation resistance  Specification  IEC 60512-3-1:2002-02  Insulation resistance, neighboring positions  > 5 MΩ  emperature cycles  Specification  IEC 60999-1:1999-11  Result  Test passed  ir clearances and creepage distances    Specification  IEC 6064-1:2007-04  Insulating material group  I Comparative tracking index (IEC 60112)  Comparative tracking index (IEC 60112)  Comparative tracking index (IEC 60112)  Rated insulation voltage (III/3)  minimum clearance value - non-homogenous field (III/3)  minimum creepage distance (III/2)  Rated insulation voltage (III/2)  insimum clearance value - non-homogenous field (III/2)  minimum creepage distance (III/2)  1.5 mm	Thermal stress	100 °C/168 h
Ambient temperature (operation)  Ambient temperature (storage/transport)  Ambient temperature (storage/transport)  Relative humidity (storage/transport)  30 % 70 %  Ambient temperature (assembly)  5 °C 100 °C  ctrical tests  hermal test   Test group C  Specification  Tested number of positions  8 sulution resistance  Specification  IEC 60512-5-1:2002-02  Specification  IEC 60512-3-1:2002-02  Insulation resistance, neighboring positions  > 5 MQ  IEC 60999-1:1999-11  Result  Test passed  ir clearances and creepage distances   Specification  IEC 60664-1:2007-04  Insulating material group  I Comparative tracking index (IEC 60112)  Rated insulation voltage (III/3)  minimum clearance value - non-homogenous field (III/3)  Rated insulation voltage (III/2)  Rated surge voltage (III/2)  Rated insulation voltage (III/2)  minimum clearance value - non-homogenous field (III/2)  minimum creepage distance	Power-frequency withstand voltage	1.39 kV
Ambient temperature (storage/transport)         -40 °C 70 °C           Relative humidity (storage/transport)         30 % 70 %           Ambient temperature (assembly)         -5 °C 100 °C           ctrical tests	Ambient conditions	
Ambient temperature (storage/transport)         -40 °C 70 °C           Relative humidity (storage/transport)         30 % 70 %           Ambient temperature (assembly)         -5 °C 100 °C           ctrical tests	Ambient temperature (operation)	-40 °C 100 °C (dependent on the derating curve)
Relative humidity (storage/transport) Ambient temperature (assembly) -5 °C 100 °C  ctrical tests  hermal test   Test group C  Specification   IEC 60512-5-1:2002-02 Tested number of positions   8  assulation resistance  Specification   IEC 60512-3-1:2002-02 Insulation resistance, neighboring positions   > 5 MΩ  emperature cycles  Specification   IEC 60999-1:1999-11 Result   Test passed  air clearances and creepage distances   Specification   IEC 60664-1:2007-04 Insulating material group   I Comparative tracking index (IEC 60112)   CTI 600 Rated insulation voltage (III/3)   1.5 kV  minimum clearance value - non-homogenous field (III/3)   1.8 mm  Rated surge voltage (III/2)   1.5 mm  minimum creepage distance (III/2)   1.5 mm		
Ambient temperature (assembly) -5 °C 100 °C  ctrical tests  hermal test   Test group C  Specification   IEC 60512-5-1:2002-02 Tested number of positions   8  assulation resistance  Specification   IEC 60512-3-1:2002-02 Insulation resistance, neighboring positions   > 5 MΩ  emperature cycles  Specification   IEC 60999-1:1999-11  Result   Test passed  ir clearances and creepage distances    Specification   IEC 60664-1:2007-04  Insulating material group   I  Comparative tracking index (IEC 60112)   CTI 600  Rated insulation voltage (III/3)   100 ∨  Rated surge voltage (III/3)   1.5 kV  minimum clearance value - non-homogenous field (III/3)   1.8 mm  Rated surge voltage (III/2)   1.5 mm  minimum creepage distance (III/2)   1.5 mm	· · · · · · · · · · · · · · · · · · ·	30 % 70 %
hermal test   Test group C  Specification IEC 60512-5-1:2002-02 Tested number of positions 8 sustation resistance  Specification IEC 60512-3-1:2002-02 Insulation resistance, neighboring positions > 5 MΩ  Importance Specification IEC 60512-3-1:2002-02 Insulation resistance, neighboring positions > 5 MΩ  Importance Specification IEC 60999-1:1999-11 Result Test passed  IEC 60999-1:1999-11 Result Test passed  IEC 60664-1:2007-04 Insulating material group IEC 60664-1:2007-04 Insulating material group ICC CTI 600 Rated insulation voltage (III/3) 1.5 kV Impirimum clearance value - non-homogenous field (III/3) 0.8 mm  minimum creepage distance (III/2) 1.5 mm  Rated surge voltage (III/2) 1.5 mm  minimum clearance value - non-homogenous field (III/2) 1.5 mm  minimum creepage distance (III/2) 1.5 mm		-5 °C 100 °C
hermal test   Test group C  Specification IEC 60512-5-1:2002-02  Tested number of positions 8  Issulation resistance  Specification IEC 60512-3-1:2002-02  Insulation resistance, neighboring positions > 5 MΩ  IEC 60999-1:1999-11  Result Test passed  IEC 60999-1:1999-11  Result IEC 6064-1:2007-04  Insulating material group IEC 60664-1:2007-04  Rated insulation voltage (III/3) 100 V  Rated surge voltage (III/3) 1.5 kV  minimum clearance value - non-homogenous field (III/3) 1.8 mm  Rated insulation voltage (III/2) 160 V  Rated surge voltage (III/2) 160 V  Rated surge voltage (III/2) 1.5 mm  minimum clearance value - non-homogenous field (III/2) 1.5 mm  minimum creepage distance (III/2) 1.5 mm		
IEC 60512-3-1:2002-02     Insulation resistance, neighboring positions   > 5 MΩ     IEC 60999-1:1999-11     Result   Test passed     IEC 6064-1:2007-04     Insulating material group   I     Comparative tracking index (IEC 60112)   CTI 600     Rated insulation voltage (III/3)   1.5 kV     minimum creepage distance (III/3)   1.8 mm     Rated surge voltage (III/2)   2.5 kV     minimum clearance value - non-homogenous field (III/2)   1.5 mm     minimum creepage distance (III/2)   1.5 mm     Rated insulation voltage (III/2)   320 V		
IEC 60512-3-1:2002-02     Insulation resistance, neighboring positions   > 5 MΩ     IEC 60999-1:1999-11     Result   Test passed     IEC 6064-1:2007-04     Insulating material group   I     Comparative tracking index (IEC 60112)   CTI 600     Rated insulation voltage (III/3)   1.5 kV     minimum creepage distance (III/3)   1.8 mm     Rated surge voltage (III/2)   2.5 kV     minimum clearance value - non-homogenous field (III/2)   1.5 mm     minimum creepage distance (III/2)   1.5 mm     Rated insulation voltage (III/2)   320 V	Tested number of positions	8
Insulation resistance, neighboring positions > 5 MΩ  remperature cycles  Specification IEC 60999-1:1999-11  Result Test passed  IEC 60664-1:2007-04  Insulating material group I  Comparative tracking index (IEC 60112) CTI 600  Rated insulation voltage (III/3) 1.5 kV  minimum clearance value - non-homogenous field (III/3) 1.8 mm  Rated surge voltage (III/2) 160 V  Rated surge voltage (III/2) 160 V  Rated surge voltage (III/2) 1.5 mm  minimum clearance value - non-homogenous field (III/2) 1.5 mm  minimum creepage distance (III/2) 1.5 mm  Rated insulation voltage (III/2) 1.5 mm  minimum creepage distance (III/2) 320 V		
Specification IEC 60999-1:1999-11  Result Test passed  ir clearances and creepage distances    Specification IEC 60664-1:2007-04  Insulating material group I  Comparative tracking index (IEC 60112) CTI 600  Rated insulation voltage (III/3) 1.5 kV  minimum clearance value - non-homogenous field (III/3) 1.8 mm  Rated insulation voltage (III/2) 160 V  Rated surge voltage (III/2) 160 V  Rated surge voltage (III/2) 1.5 mm  minimum creepage distance (III/2) 1.5 mm  minimum creepage distance (III/2) 1.5 mm  Rated insulation voltage (III/2) 320 V		
Result Test passed  irr clearances and creepage distances    Specification IEC 60999-1:1999-11  Specification IEC 60664-1:2007-04  Insulating material group I  Comparative tracking index (IEC 60112) CTI 600  Rated insulation voltage (III/3) 100 V  Rated surge voltage (III/3) 1.5 kV  minimum clearance value - non-homogenous field (III/3) 0.8 mm  minimum creepage distance (III/3) 1.8 mm  Rated insulation voltage (III/2) 160 V  Rated surge voltage (III/2) 1.5 mm  minimum creepage distance (III/2) 1.5 mm  minimum creepage distance (III/2) 1.5 mm  Rated insulation voltage (III/2) 1.5 mm  Rated insulation voltage (III/2) 320 V	Insulation resistance, neighboring positions	> 5 MΩ
Result  Test passed  Test passe	Temperature cycles	
Specification IEC 60664-1:2007-04 Insulating material group I Comparative tracking index (IEC 60112) CTI 600 Rated insulation voltage (III/3) 100 V Rated surge voltage (III/3) 1.5 kV minimum clearance value - non-homogenous field (III/3) 1.8 mm minimum creepage distance (III/2) 160 V Rated surge voltage (III/2) 160 V Rated surge voltage (III/2) 1.5 mm minimum creepage distance (III/2) 1.5 mm Rated insulation voltage (III/2) 1.5 mm minimum creepage distance (III/2) 1.5 mm Rated insulation voltage (III/2) 1.5 mm Rated insulation voltage (III/2) 320 V	Specification	IEC 60999-1:1999-11
Specification IEC 60664-1:2007-04  Insulating material group I  Comparative tracking index (IEC 60112) CTI 600  Rated insulation voltage (III/3) 100 V  Rated surge voltage (III/3) 1.5 kV  minimum clearance value - non-homogenous field (III/3) 0.8 mm  minimum creepage distance (III/3) 1.8 mm  Rated insulation voltage (III/2) 160 V  Rated surge voltage (III/2) 2.5 kV  minimum clearance value - non-homogenous field (III/2) 1.5 mm  minimum creepage distance (III/2) 1.5 mm  Rated insulation voltage (III/2) 1.5 mm  Rated insulation voltage (III/2) 320 V	Result	Test passed
Insulating material group  Comparative tracking index (IEC 60112)  Rated insulation voltage (III/3)  Rated surge voltage (III/3)  minimum clearance value - non-homogenous field (III/3)  Rated insulation voltage (III/2)  Rated surge voltage (III/2)  1.5 mm  minimum clearance value - non-homogenous field (III/2)  1.5 mm  Rated insulation voltage (III/2)  1.5 mm  Rated insulation voltage (III/2)  1.5 mm	Air clearances and creepage distances	
Comparative tracking index (IEC 60112)  Rated insulation voltage (III/3)  Rated surge voltage (III/3)  1.5 kV  minimum clearance value - non-homogenous field (III/3)  0.8 mm  minimum creepage distance (III/3)  1.8 mm  Rated insulation voltage (III/2)  160 V  Rated surge voltage (III/2)  2.5 kV  minimum clearance value - non-homogenous field (III/2)  1.5 mm  minimum creepage distance (III/2)  1.5 mm  Rated insulation voltage (III/2)  320 V	Specification	IEC 60664-1:2007-04
Rated insulation voltage (III/3)  Rated surge voltage (III/3)  minimum clearance value - non-homogenous field (III/3)  minimum creepage distance (III/3)  Rated insulation voltage (III/2)  Rated surge voltage (III/2)  Rated surge voltage (III/2)  minimum clearance value - non-homogenous field (III/2)  minimum creepage distance (III/2)  1.5 mm  Rated insulation voltage (III/2)  Rated insulation voltage (III/2)  320 V	Insulating material group	T I
Rated surge voltage (III/3)  minimum clearance value - non-homogenous field (III/3)  minimum creepage distance (III/3)  Rated insulation voltage (III/2)  Rated surge voltage (III/2)  minimum clearance value - non-homogenous field (III/2)  minimum creepage distance (III/2)  1.5 mm  minimum creepage distance (III/2)  1.5 mm  Rated insulation voltage (II/2)  320 V	Comparative tracking index (IEC 60112)	CTI 600
minimum clearance value - non-homogenous field (III/3) 0.8 mm  minimum creepage distance (III/3) 1.8 mm  Rated insulation voltage (III/2) 160 V  Rated surge voltage (III/2) 2.5 kV  minimum clearance value - non-homogenous field (III/2) 1.5 mm  minimum creepage distance (III/2) 1.5 mm  Rated insulation voltage (II/2) 320 V	Rated insulation voltage (III/3)	100 V
minimum creepage distance (III/3)  Rated insulation voltage (III/2)  Rated surge voltage (III/2)  2.5 kV  minimum clearance value - non-homogenous field (III/2)  1.5 mm  minimum creepage distance (III/2)  1.5 mm  Rated insulation voltage (II/2)  320 V	Rated surge voltage (III/3)	1.5 kV
Rated insulation voltage (III/2)  Rated surge voltage (III/2)  minimum clearance value - non-homogenous field (III/2)  minimum creepage distance (III/2)  Rated insulation voltage (II/2)  320 V	minimum clearance value - non-homogenous field (III/3)	0.8 mm
Rated surge voltage (III/2)  minimum clearance value - non-homogenous field (III/2)  1.5 mm  minimum creepage distance (III/2)  1.5 mm  Rated insulation voltage (II/2)  320 V	minimum creepage distance (III/3)	1.8 mm
minimum clearance value - non-homogenous field (III/2)  1.5 mm  minimum creepage distance (III/2)  1.5 mm  Rated insulation voltage (II/2)  320 V	Rated insulation voltage (III/2)	160 V
minimum creepage distance (III/2)  Rated insulation voltage (II/2)  320 V	Rated surge voltage (III/2)	2.5 kV
Rated insulation voltage (II/2) 320 V	minimum clearance value - non-homogenous field (III/2)	1.5 mm
	minimum creepage distance (III/2)	1.5 mm
Rated surge voltage (II/2) 2.5 kV	Rated insulation voltage (II/2)	320 V
	Rated surge voltage (II/2)	2.5 kV



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Type of packaging

minimum clearance value - non-homogenous field (II/2)	1.5 mm	
minimum creepage distance (II/2)	1.6 mm	
Packaging specifications		

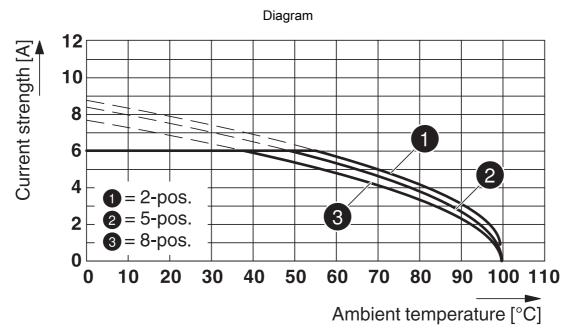
packed in cardboard



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## Drawings



Type: PTSM 0,5/...-PI-2,5 BK with PPTSM 0,5/...-HHI-2,5-SMD R...



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## **Approvals**

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1709437

UL Recognized Approval ID: E118976-20130619				
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
Use group B				
	150 V	5 A	26 - 18	-

cULus Approval	cULus Recognized Approval ID: E60425-20101209			
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
Use group B				
	150 V	5 A	26 - 20	-

VDE Zeichengene Approval ID: 40048497	hmigung			
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
	160 V	6 A	-	0.14 - 0.5



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## Classifications

UNSPSC 21.0

## **ECLASS**

202.00			
	ECLASS-11.0	27460202	
	ECLASS-12.0	27460202	
	ECLASS-13.0	27460202	
ETIM			
	ETIM 8.0	EC002638	
UNSPSC			

39121400



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## Environmental product compliance

EU RoHS					
Fulfills EU RoHS substance requirements	Yes, No exemptions				
China RoHS					
Environment friendly use period (EFUP)	EFUP-E				
	No hazardous substances above the limits				
EU REACH SVHC					
REACH candidate substance (CAS No.)	No substance above 0.1 wt%				



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## Accessories

SZS 0,4X2,0 - Screwdriver

1205202

https://www.phoenixcontact.com/us/products/1205202



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

## AI 0,25-6 BU - Ferrule

3203040

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Ferrule, sleeve length: 6 mm, color: blue



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AI 0,25-6 YE - Ferrule

3203024

https://www.phoenixcontact.com/us/products/3203024



Ferrule, sleeve length: 6 mm, color: yellow

AI 0,34-6 TQ - Ferrule

3203053

https://www.phoenixcontact.com/us/products/3203053



Ferrule, sleeve length: 6 mm, color: turquoise



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### PTSM 0,5/4-P-2,5 - PCB connectors

1778858

https://www.phoenixcontact.com/us/products/1778858



PCB connector, nominal cross section: 0.5 mm², color: black, nominal current: 6 A, rated voltage (III/2): 160 V, contact surface: Tin, contact connection type: Socket, number of potentials: 4, number of rows: 1, number of positions: 4, number of connections: 4, product range: PTSM 0,5/..-P, pitch: 2.5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, plug-in system: COMBICON PTSM, locking: without, mounting: without, type of packaging: packed in cardboard

### PTSM 0,5/4-HHI-2,5-SMD R44 - PCB header

1810735

https://www.phoenixcontact.com/us/products/1810735



PCB headers, nominal cross section: 0.5 mm², color: black, nominal current: 6 A, rated voltage (III/2): 160 V, contact surface: Tin, contact connection type: Socket, number of potentials: 4, number of rows: 1, number of positions: 4, number of connections: 4, product range: PTSM 0,5/..-HHI-SMD, pitch: 2.5 mm, mounting: SMD soldering, pin layout: Linear pad geometry, solder pin [P]: 2 mm, number of solder pins per potential: 1, plug-in system: COMBICON PTSM, Pin connector pattern alignment: Standard, locking: without, mounting: without, type of packaging: 44 mm wide tape, Article with anti-rotation pin



1709437

https://www.phoenixcontact.com/us/products/1709437

### PTSM 0,5/4-HHI0-2,5-SMD R44 - PCB header

1815141

https://www.phoenixcontact.com/us/products/1815141



PCB headers, nominal cross section: 0.5 mm², color: black, nominal current: 6 A, rated voltage (III/2): 160 V, contact surface: Tin, contact connection type: Socket, number of potentials: 4, number of rows: 1, number of positions: 4, number of connections: 4, product range: PTSM 0,5/..-HHI-SMD, pitch: 2.5 mm, mounting: SMD soldering, pin layout: Linear pad geometry, number of solder pins per potential: 1, plug-in system: COMBICON PTSM, Pin connector pattern alignment: Standard, locking: without, mounting: without, type of packaging: 44 mm wide tape

### PTSM 0,5/4-HHI1-2,5-THR R32 - PCB header

1810803

https://www.phoenixcontact.com/us/products/1810803



PCB headers, nominal cross section: 0.5 mm², color: black, nominal current: 6 A, rated voltage (III/2): 160 V, contact surface: Tin, contact connection type: Socket, number of potentials: 4, number of rows: 1, number of positions: 4, number of connections: 4, product range: PTSM 0,5/..-HHI-THR, pitch: 2.5 mm, mounting: THR soldering, pin layout: Linear pinning, solder pin [P]: 2.1 mm, number of solder pins per potential: 1, plug-in system: COMBICON PTSM, Pin connector pattern alignment: Standard, locking: without, mounting: without, type of packaging: 32 mm wide tape, Article with anti-rotation pin



1709437

https://www.phoenixcontact.com/us/products/1709437

### PTSM 0,5/4-HHI-2,5-THR R32 - PCB header

1815073

https://www.phoenixcontact.com/us/products/1815073



PCB headers, nominal cross section: 0.5 mm², color: black, nominal current: 6 A, rated voltage (III/2): 160 V, contact surface: Tin, contact connection type: Socket, number of potentials: 4, number of rows: 1, number of positions: 4, number of connections: 4, product range: PTSM 0,5/..-HHI-THR, pitch: 2.5 mm, mounting: THR soldering, pin layout: Linear pinning, solder pin [P]: 2.1 mm, number of solder pins per potential: 1, plug-in system: COMBICON PTSM, Pin connector pattern alignment: Standard, locking: without, mounting: without, type of packaging: 32 mm wide tape

### PTSM 0,5/4-PL-2,5 BK - Printed-circuit board connector

1709444

https://www.phoenixcontact.com/us/products/1709444



PCB connector, nominal cross section: 0.5 mm², color: black, nominal current: 6 A, rated voltage (III/2): 160 V, contact surface: Tin, contact connection type: Socket, number of potentials: 4, number of rows: 1, number of positions: 4, number of connections: 4, product range: PTSM 0,5/..-PL, pitch: 2.5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, plug-in system: COMBICON PTSM, locking: Snap-in locking, mounting: Self-locking flange, type of packaging: packed in cardboard

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