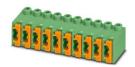


1702923

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PCB connector, nominal cross section: 0.5 mm², color: green, nominal current: 4 A, rated voltage (III/2): 250 V, contact surface: Sn, contact connection type: Socket, number of potentials: 2, number of rows: 1, number of positions: 2, number of connections: 4, product range: FK-MPT 0,5/..-ST, pitch: 3.5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, pin layout: Linear pinning, plug-in system: COMBICON PST 1,0, locking: without, mounting method: 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
- · Intuitive operation due to color-coded actuating push button
- Potentials can be easily looped through ideal for BUS applications
- · Small component size for applications where space is at a premium

Commercial data

Item number	1702923
Packing unit	50 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Product key	AAAFBA
GTIN	4046356624657
Weight per piece (including packing)	0.897 g
Weight per piece (excluding packing)	0.877 g
Country of origin	IN



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Technical data

Product properties

Product type	PCB connector
Product family	FK-MPT 0,5/ST
Product line	COMBICON Connectors XS
Number of positions	2
Pitch	3.5 mm
Number of connections	4
Number of rows	1
Number of potentials	2
Mounting type	without
Pin layout	Linear pinning

Electrical properties

Properties

Nominal current I _N	4 A
Nominal voltage U _N	250 V
Rated voltage (III/3)	160 V
Rated surge voltage (III/3)	2.5 kV
Rated voltage (III/2)	250 V
Rated surge voltage (III/2)	2.5 kV
Rated voltage (II/2)	250 V
Rated surge voltage (II/2)	2.5 kV

Connection data

Interlock

Locking type	without
Mounting type	without

Conductor connection

Connection method	Push-in spring connection
Conductor/PCB connection direction	0 °
Conductor cross-section rigid	0.12 mm² 0.5 mm²
Conductor cross-section AWG	26 20
Stripping length	6.5 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



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Metal surface terminal point (top layer)	Tin (5 - 7 μm Sn)	
Metal surface terminal point (middle layer)	Nickel (2 - 3 µm Ni)	
Metal surface contact area (top layer)	Tin (5 - 7 μm Sn)	
Metal surface contact area (middle layer)	Nickel (2 - 3 µm Ni)	
Material data - housing		
Material data - housing		
Material data - housing Color (Housing)	green (6021)	
	green (6021) PBT	

225

V0

CTI according to IEC 60112

Flammability rating according to UL 94

Material data – actuating element		
	Color (Actuating element)	orange (2003)

Dimensions

Dimensional drawing	h
Pitch	3.5 mm
Width [w]	7.5 mm
Height [h]	8.5 mm
Length [I]	9.5 mm

Mounting

Pin layout	Linear pinning
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Environmental and real-life conditions

Ambient 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

Electrical tests

Air clearances and creepage distances |

Specification	IEC 60664-1:2007-04
Insulating material group	Illa
Comparative tracking index (IEC 60112)	CTI 225
Rated insulation voltage (III/3)	160 V
Rated surge voltage (III/3)	2.5 kV
minimum clearance value - non-homogenous field (III/3)	1.5 mm



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minimum creepage distance (III/3)	2.5 mm
Rated insulation voltage (III/2)	250 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)	2.5 mm
Rated insulation voltage (II/2)	250 V
Rated surge voltage (II/2)	2.5 kV
minimum clearance value - non-homogenous field (II/2)	1.5 mm
minimum creepage distance (II/2)	2.5 mm

Packaging specifications



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1702923

	VDE approval of drawings Approval ID: 40055514				
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine					
		250 V	4 A	-	0.2 - 0.5



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Classifications

ECLASS

	ECLASS-13.0	27460202	
	ECLASS-15.0	27460202	
ETIM			
	ETIM 9.0	EC002638	
UNSPSC			
	UNSPSC 21.0	39121400	



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Environmental product compliance

EU RoHS

20 1.01.0			
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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