

1701998

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PCB direct plug, nominal cross section: 1 mm², color: green, nominal current: 8 A, rated voltage (III/2): 200 V, contact surface: Au, contact connection type: Socket, number of potentials: 8, number of rows: 1, number of positions: 8, number of connections: 8, product range: ZEC 1,0/..-ST, pitch: 3.5 mm, connection method: Spring-cage connection, mounting: Direct plug-in method, conductor/PCB connection direction: 0 °, plug-in system: ZEC, locking: Snap-in locking, mounting method: without, type of packaging: packed in cardboard

Your advantages

- · Gold-plated contacts ensure transfer quality remains stable over the long term
- Defined contact force ensures that contact remains stable over the long term
- · Inexpensive direct plug-in connection with just one component
- · Clamping space opened by means of fixed screwdriver enables convenient conductor connection
- · Plug-in direction parallel to the PCB

Commercial data

Item number	1701998
Packing unit	50 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	AABEAA
GTIN	4046356569682
Weight per piece (including packing)	9.867 g
Weight per piece (excluding packing)	9.847 g
Country of origin	GR



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Technical data

Product properties

Product type	PCB direct plug
Product family	ZEC 1,0/ST
Product line	COMBICON Connectors S
Number of positions	8
Pitch	3.5 mm
Number of connections	8
Number of rows	1
Number of potentials	8
Mounting type	without

Electrical properties

Properties

Nominal current I _N	8 A
Nominal voltage U _N	200 V
Rated voltage (III/3)	160 V
Rated surge voltage (III/3)	2.5 kV
Rated voltage (III/2)	200 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	Direct plug connector
Connector system	ZEC
Nominal cross section	1 mm²
Contact connection type	Socket

Interlock

Locking type	Snap-in locking
Mounting type	without

Conductor connection

Conductor Connection		
Connection method	Spring-cage connection	
Connection direction of the conductor to plug-in direction	0 °	
Conductor cross-section rigid	0.2 mm² 1 mm²	
Conductor cross-section flexible	0.2 mm² 1 mm²	
Conductor cross-section AWG	24 16	
Conductor cross-section flexible, with ferrule without plastic sleeve	0.25 mm² 1 mm²	
Conductor cross-section, flexible, with ferrule, with plastic sleeve	0.25 mm² 0.75 mm²	



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2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² 0.5 mm ²
Stripping length	7 mm
pecifications for ferrules without insulating collar	
recommended crimping tool	1212034 CRIMPFOX 6
specifications for ferrules with insulating collar	
recommended crimping tool	1212034 CRIMPFOX 6
unting	
Mounting type	Direct plug-in method
terial 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	partially gold-plated
Metal surface terminal point (top layer)	Tin (4 - 8 μm Sn)
Metal surface terminal point (middle layer)	Nickel (2 - 4 µm Ni)
Metal surface contact area (top layer)	Gold (0.8 - 1.4 μm Au)
Metal surface contact area (middle layer)	Nickel (2 - 4 µm Ni)
Material data - housing	
Color (Housing)	green (6021)
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-	125 °C
10-2	
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Dimensions

switching power (COC). During designated use, they must not be plugged in or disconnected when carrying voltage or under load.



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Dimensional drawing	h
Pitch	3.5 mm
Installed height	18 mm

Electrical tests

Air clearances and creepage distances |

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Specification	IEC 60664-1:2007-04	
Insulating material group	I	
Comparative tracking index (IEC 60112)	CTI 600	
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	
minimum creepage distance (III/3)	2 mm	
Rated insulation voltage (III/2)	200 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 surge voltage (II/2)	2.5 kV	
minimum clearance value - non-homogenous field (II/2)	1.5 mm	
minimum creepage distance (II/2)	1.6 mm	

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

Packaging specifications

Type of packaging	packed in cardboard



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Classifications

ECLASS

	ECLASS-13.0	27460202	
	ECLASS-15.0	27460202	
	-1h <i>a</i>		
ETIM			
	ETIM 9.0	EC002638	
UNSPSC			
	UNSPSC 21.0	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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