

Printed-circuit board connector - ZEC 1,0/12-ST-3,5 C1 R1,12 - 1893782

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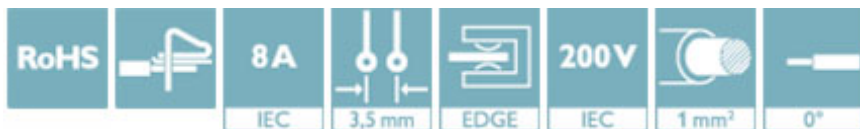


PCB direct plug, nominal current: 8 A, rated voltage (III/2): 200 V, number of positions: 12, pitch: 3.5 mm, connection method: Spring-cage connection, color: green, contact surface: Tin, mounting: Direct plug-in method

The figure shows a 10-position version of the product

Why buy this product

- ✓ 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



Key Commercial Data

Packing unit	50 STK
GTIN	
GTIN	4017918161330

Technical data

Dimensions

Length [l]	24.05 mm
Width [w]	46.9 mm
Height [h]	17.5 mm
Pitch	3.5 mm
Dimension a	42 mm

General

Range of articles	ZEC 1,0/..-ST
Type of contact	Female connector
Number of positions	12
Connection method	Spring-cage connection
Insulating material group	I

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Technical data

General

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)	160 V
Rated voltage (III/2)	200 V
Rated voltage (II/2)	320 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	8 A
Nominal cross section	1 mm ²
Maximum load current	8 A (with 1 mm ² conductor cross section)
Insulating material	PA
Flammability rating according to UL 94	V0
Stripping length	7 mm

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	1 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	1 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.	1 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.	0.75 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	16
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.5 mm ²
Minimum AWG according to UL/CUL	26
Maximum AWG according to UL/CUL	16

Standards and Regulations

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

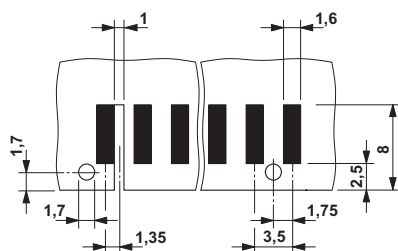
Environmental Product Compliance

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

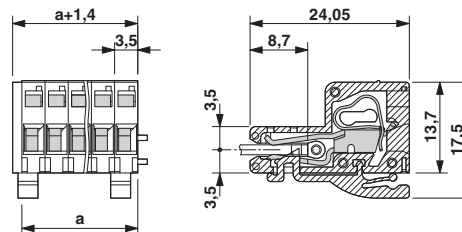
Drawings

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Drilling diagram



Dimensional drawing



Size of the PCB: 1.6 ± 0.2 mm

Approvals

Approvals

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VDE Gutachten mit Fertigungsüberwachung / IECCE CB Scheme / CCA / EAC / cULus Recognized

Ex Approvals

Approval details


VDE Gutachten mit Fertigungsüberwachung		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40020343
Nominal voltage UN	160 V		
Nominal current IN	8 A		
mm ² /AWG/kcmil	0.2-1.0		


IECEE CB Scheme		http://www.iecee.org/	DE1-51128
Nominal voltage UN	1000 V		
Nominal current IN	10 A		

CCA	DE1 34215		
Nominal voltage UN	1000 V		
Nominal current IN	10 A		

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Approvals

EAC		B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19941110
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	B
Nominal voltage UN	150 V
Nominal current IN	8 A
mm ² /AWG/kcmil	26-16

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