https://www.phoenixcontact.com/cn/products/1893685

Printed-circuit board connector - ZEC 1,0/ 2-ST-3,5 C1 R1 - 1893685

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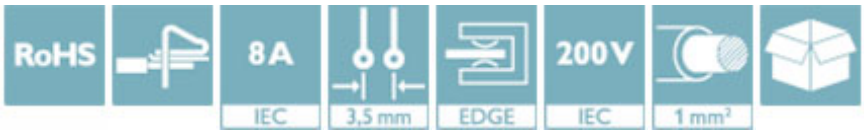
The figure shows a 10-position version of the product

Direct connector, Nominal current: 8 A, Rated voltage (III/2): 200 V, Number of positions: 2, Pitch: 3.5 mm, Connection method: Spring-cage connection, Color: green, Contact surface: Tin, Mounting: Direct plug-in method

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
Minimum order quantity	50 STK
GTIN	4 017918 161231
GTIN	4017918161231
Custom tariff number	8536909000
Sales Key	AAAFMA

Technical data

Dimensions

Pitch	3.5 mm
Dimension a	7 mm

General

Range of articles	ZEC 1,0/..-ST
Type of contact	Female connector
Number of positions	2
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 mm²
Maximum load current	8 A (with 1 mm² 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 mm²
Conductor cross section solid max.	1 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	1 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	1 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.75 mm²
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 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.5 mm²
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

https://www.phoenixcontact.com/cn/products/1893685

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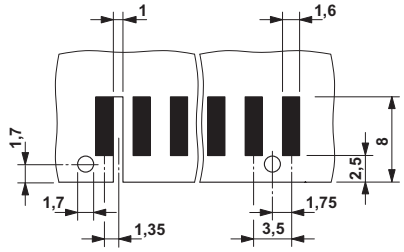
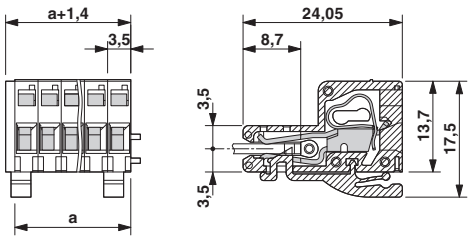
Drilling diagram



Dimensional drawing



Size of the PCB: 1.6 ± 0.2 mm

Approvals

Approvals

Approvals

UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IECEE CB Scheme / CCA / EAC / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425

	B
mm²/AWG/kcmil	26-16
Nominal current IN	8 A
Nominal voltage UN	150 V

VDE Gutachten mit Fertigungsüberwachung		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40020343

mm²/AWG/kcmil	0.2-1.0
Nominal current IN	8 A
Nominal voltage UN	160 V

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425

	B
mm²/AWG/kcmil	26-16

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Approvals

	B
Nominal current IN	8 A
Nominal voltage UN	150 V

IECEE CB Scheme		http://www.iecee.org/	DE1-51128

Nominal current IN	10 A
Nominal voltage UN	1000 V

CCA	DE1 34215

Nominal current IN	10 A
Nominal voltage UN	1000 V

EAC		B.01742

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm