

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

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Direct connector, 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 connector

The figure shows a 10-position version of the product

Product Features

- Larger numbers of positions available on request
- Chamfer in the plug-in area has a positive effect on insertion and withdrawal forces/cycles
- Contact made directly on a 1.6 mm thick PCB without additional pin strips



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	14.04 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Pitch	3.50 mm
Dimension a	42 mm

General

Range of articles	ZEC 1,0/..-ST
Insulating material group	I
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

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Technical data

General

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
Number of positions	12

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

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701

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Classifications

eCl@ss

eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27260704
eCl@ss 7.0	27440402
eCl@ss 8.0	27440309

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002637
ETIM 5.0	EC002638

UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

Approvals

Approvals


Approvals

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

Ex Approvals

Approvals submitted


Approval details

UL Recognized 	
	B
mm ² /AWG/kcmil	26-16


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Approvals


	B
Nominal current IN	8 A
Nominal voltage UN	150 V

VDE Gutachten mit Fertigungsüberwachung 

mm ² /AWG/kcmil	0.2-1.0
Nominal current IN	8 A
Nominal voltage UN	160 V

cUL Recognized 

	B
mm ² /AWG/kcmil	26-16
Nominal current IN	8 A
Nominal voltage UN	150 V


IECEE CB Scheme 

Nominal current IN	10 A
Nominal voltage UN	1000 V

CCA

Nominal current IN	10 A
Nominal voltage UN	1000 V

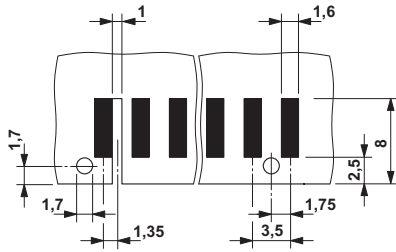
EAC

cULus Recognized 

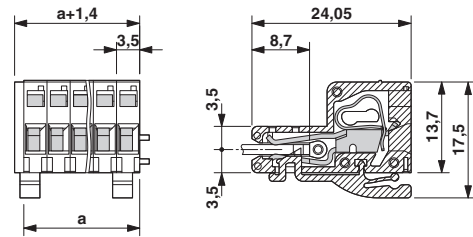
Drawings

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Drilling diagram



Dimensional drawing



Size of the PCB: 1.6 ± 0.2 mm