

Printed-circuit board connector - ZEC 1,5/ 3-ST-5,0 C2 R1,3 - 1883051

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



Direct connector, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Connection method: Spring-cage conn., Color: green, Contact surface: Tin, Assembly: Direct connector

The figure shows a 10-position version of the product

Product Features

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

Key commercial data

package_quantity	50
GTIN	4017918161019

Technical data

Dimensions

Pitch	5 mm
Dimension a	15 mm

General

Range of articles	ZEC 1,5/...-ST
Insulating material group	I
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV
Rated voltage (III/3)	250 V
Rated voltage (III/2)	320 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current I _N	10 A
Nominal cross section	1.5 mm ²
Maximum load current	10 A (with 1.5 mm ² conductor cross section)
Insulating material	PA
Inflammability class according to UL 94	V0

Printed-circuit board connector - ZEC 1,5/ 3-ST-5,0 C2 R1,3 - 1883051

Technical data

General

Internal cylindrical gage	A 1
Stripping length	7 mm
Number of positions	3

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	1.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	1.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	1.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil 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	14

classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27260704
eCl@ss 7.0	27440402
eCl@ss 8.0	27440402

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002637
ETIM 5.0	EC002637

UNSPSC

UNSPSC 6.01	30211810
-------------	----------

Printed-circuit board connector - ZEC 1,5/ 3-ST-5,0 C2 R1,3 - 1883051

classifications

UNSPSC

UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

approvals

UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IEC EE CB Scheme / GOST / GOST / cULus Recognized /

Approval details

UL Recognized 		
Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	10 A	10 A
mm²/AWG/kcmil	26-14	26-14

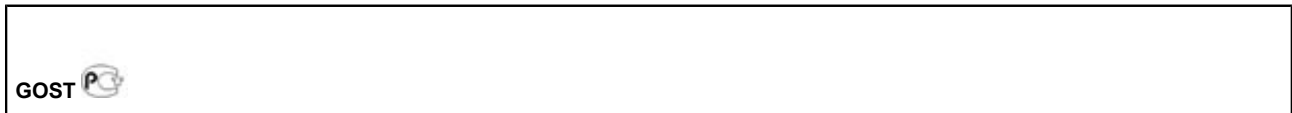
VDE Gutachten mit Fertigungsüberwachung 	
Nominal voltage UN	250 V
Nominal current IN	10 A
mm²/AWG/kcmil	0.2-1.5

cUL Recognized 		
Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	10 A	10 A
mm²/AWG/kcmil	26-14	26-14

IECEE CB Scheme 	
--	--

Printed-circuit board connector - ZEC 1,5/ 3-ST-5,0 C2 R1,3 - 1883051

approvals



accessories

Screwdriver tools

SZF 0-0,4X2,5 - 1204504



Labeled terminal marker

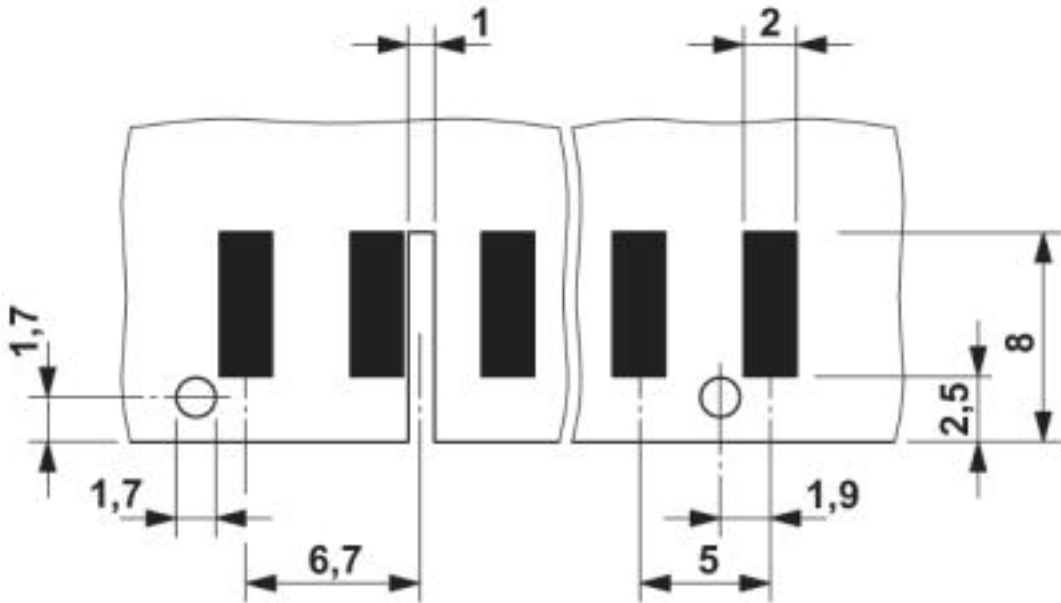
SK 5/3,8:FORTL.ZAHLEN - 0804183



Drawings

Printed-circuit board connector - ZEC 1,5/ 3-ST-5,0 C2 R1,3 - 1883051

Drilling diagram



Size of the PCB: 1.6 ± 0.2 mm

Dimensioned drawing

