PHŒNIX CONTACT

Direct connector - SDC 2,5/ 5-PV-5,0-ZB - 1864066

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin, Mounting: SKEDD - Direct plug-in technology

Why buy this product

- ■ SKEDD direct plug-in technology enables flexible positioning on the PCB
- ■ Reduced component and process costs: simple insertion by hand and vibration-resistant connection
- ■ Time saving push-in connection, tools not required
- ■ Intuitive use through colour coded actuation lever
- ■ Quick and convenient testing using integrated test option

Key Commercial Data

Packing unit	50 STK
Minimum order quantity	50 STK
GTIN	4 055626 210360
Weight per Piece (excluding packing)	6.85 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Environmental Product Compliance

China RoHS	No hazardous substances above threshold values

Dimensions

Length	15.3 mm
Height	21.2 mm
Width	33.18 mm
Pitch	5.00 mm

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Technical data

Dimensions

Dimension a	20 mm

General

Range of articles	SDC 2,5/..-PV
Number of positions	5
Connection method	Push-in spring connection
Insulating material group	IIIa
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)	200 V
Rated voltage (III/2)	320 V
Rated voltage (II/2)	320 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	12 A
Nominal cross section	2.5 mm²
Maximum load current	12 A
Insulating material	PA
Flammability rating according to UL 94	V0
Stripping length	10 mm

Connection data

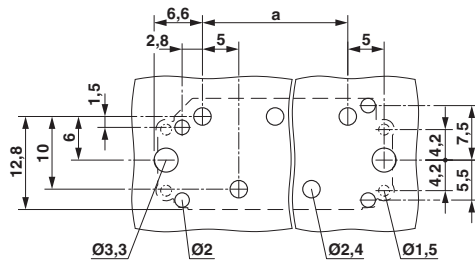| Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	2.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12

Standards and Regulations

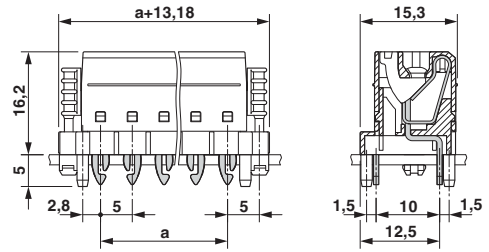| Connection in acc. with standard	EN-VDE
Flammability rating according to UL 94	V0

Drawings

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Drilling diagram	Dimensional drawing

Size of the PCB: 1.6 mm

Classifications

eCl@ss

eCl@ss 5.1	27261101
eCl@ss 8.0	27440401
eCl@ss 9.0	27440401

ETIM

ETIM 5.0	EC002643

Approvals

Approvals

Approvals

VDE approval of drawings / cULus Recognized / IECEE CB Scheme

Ex Approvals

Approvals submitted

Approval details

VDE approval of drawings	
mm²/AWG/kcmil	0.2-2.5
Nominal current IN	12 A
Nominal voltage UN	320 V

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Approvals

cULus Recognized		
	B	D
mm²/AWG/kcmil	24-12	24-12
Nominal current IN	12 A	12 A
Nominal voltage UN	300 V	300 V

IECEE CB Scheme

Accessories

Accessories

Coding element

Accessories - CP-PT 1,5 - 1985564

Coding profile, is inserted into the hole in the plug, red insulating material

Connector

Ferrule - AI 0,5 -10 WH - 3201275

Ferrule, Sleeve length: 10 mm, Length: 16 mm, Color: white

Ferrule - AI 0,75-10 GY - 3201288

Ferrule, Sleeve length: 10 mm, Length: 16 mm, Color: gray

Ferrule - AI 1 -10 RD - 3200182

Ferrule, Sleeve length: 10 mm, Length: 16 mm, Color: red

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Accessories

Ferrule - AI 1,5 -10 BK - 3200195

Ferrule, Sleeve length: 10 mm, Length: 16 mm, Color: black

Ferrule - AI 2,5 -10 BU - 3202533

Ferrule, Sleeve length: 10 mm, Length: 17 mm, Color: blue

Ferrule - A 0,5 -10 - 3202494

Ferrule, Length: 10 mm, Color: silver

Ferrule - A 0,75-10 - 3200234

Ferrule, Length: 10 mm, Color: silver

Ferrule - A 1 -10 - 3200250

Ferrule, Length: 10 mm, Color: silver

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Accessories

Ferrule - A 1,5 -10 - 3200276

Ferrule, Length: 10 mm, Color: silver

Crimping tool

Crimping pliers - CRIMPFOX 6 - 1212034

Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm² ... 6.0 mm², lateral entry, trapezoidal crimp

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Labeled terminal marker

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

Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, for terminal block width: 5 mm, Lettering field: 5 x 3.8 mm

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Marker card - SK 3,8 REEL P5 WH CUS - 0825124

Marker card, can be ordered: By card, white, labeled according to customer specifications, Mounting type: Adhesive, for terminal block width: 5 mm, Lettering field: continuous x 3.8 mm

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Terminal marking

Marker card - SK U/3,8 WH:UNBEDRUCKT - 0803906

Marker card, Sheet, white, unlabeled, can be labeled with: Plotter, Office printing systems, Mounting type: Adhesive, Lettering field: 186 x 3.8 mm

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Accessories

Marker strip - SK 3,8 WH:REEL - 0805218

Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL, THERMOMARK X, THERMOMARK S1.1, THERMOMARK ROLL X1, Mounting type: Adhesive, Lettering field: continuous x 3.8 mm

Accessories - MPS-MT 1-S - 1944372

Accessories