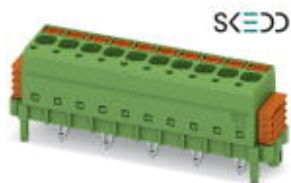


## Direct connector - SDC 2,5/ 7-PV-5,0-ZB - 1864082

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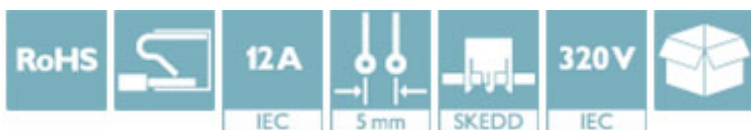


Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin, Mounting: SKEDD - Direct plug-in technology


The figure shows a 10-position version

### 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 210384
GTIN	4055626210384
Weight per Piece (excluding packing)	9.120 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

### Technical data

#### Dimensions

Length	15.3 mm
Height	21.2 mm
Width	43.18 mm
Pitch	5 mm
Dimension a	30 mm

## Direct connector - SDC 2,5/ 7-PV-5,0-ZB - 1864082

### Technical data

#### General

Range of articles	SDC 2,5/...-PV
Number of positions	7
Connection method	Push-in spring connection
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 mm <sup>2</sup>
Stripping length	10 mm

#### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12

#### Standards and Regulations

Connection in acc. with standard	EN-VDE
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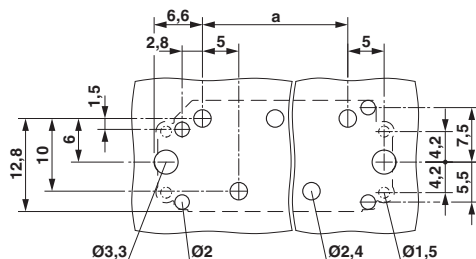
#### Environmental Product Compliance

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

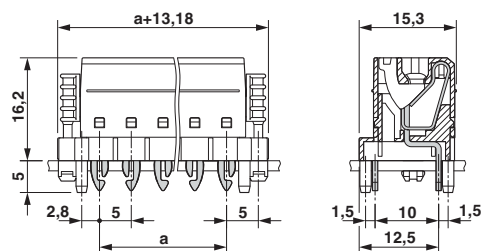
### Drawings

# Direct connector - SDC 2,5/ 7-PV-5,0-ZB - 1864082

Drilling diagram



Dimensional drawing



Size of the PCB: 1.6 mm

## Classifications

eCl@ss

eCl@ss 5.1	27261101
eCl@ss 8.0	27440309
eCl@ss 9.0	27440309

ETIM

ETIM 5.0	EC002637
ETIM 6.0	EC002643

UNSPSC

UNSPSC 13.2	39121432
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## Approvals

Approvals

Approvals

VDE approval of drawings / cULus Recognized / IECCE CB Scheme

Ex Approvals

## Approval details

VDE approval of drawings		<a href="http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx">http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx</a>	40044617
mm <sup>2</sup> /AWG/kcmil		0.2-2.5	
Nominal current I <sub>N</sub>		12 A	
Nominal voltage U <sub>N</sub>		320 V	

# Direct connector - SDC 2,5/ 7-PV-5,0-ZB - 1864082

## Approvals

cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E60425-20160718
	B	D	
mm <sup>2</sup> /AWG/kcmil	24-12	24-12	
Nominal current I <sub>N</sub>	12 A	10 A	
Nominal voltage U <sub>N</sub>	300 V	300 V	

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-57473
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## Accessories

### Accessories

### Coding element

Accessories - CP-PT 1,5 - 1985564

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



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## Connector

Ferrule - AI 0,5 -10 WH - 3201275



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

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Ferrule - AI 0,75-10 GY - 3201288



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

## Direct connector - SDC 2,5/ 7-PV-5,0-ZB - 1864082

### Accessories

Ferrule - AI 1 -10 RD - 3200182



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

---

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

---

## Direct connector - SDC 2,5/ 7-PV-5,0-ZB - 1864082

### Accessories

Ferrule - A 1 -10 - 3200250



Ferrule, Length: 10 mm, Color: silver

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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 mm<sup>2</sup> ... 6.0 mm<sup>2</sup>, lateral entry, trapezoidal crimp

---

### 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

---

### Terminal marking

## Direct connector - SDC 2,5/ 7-PV-5,0-ZB - 1864082

### Accessories

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



Marker card, Sheet, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, Office printing systems, Mounting type: Adhesive, Lettering field: 186 x 3.8 mm

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



Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK S1.1, Mounting type: Adhesive, Lettering field: continuous x 3.8 mm

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Accessories - MPS-MT 1-S - 1944372



Accessories

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