

# PV-DB S20-2,5/0,8-CA - Photovoltaic connectors



1463065

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## Commercial data

Item number	1463065
Packing unit	10 pc
Minimum order quantity	1 pc
Product key	ABLBEX
GTIN	4046356772921
Weight per piece (including packing)	102.6 g
Weight per piece (excluding packing)	102.6 g
Country of origin	DE

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## Technical data

### Product properties

Product type	Photovoltaic connectors
Product family	SUNCLIX

### Insulation characteristics

Protection class	II
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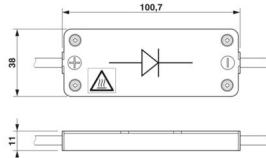
### Electrical properties

Rated voltage (III/2)	1000 V
Rated surge voltage (III/3)	8 kV
Rated current	5 A

### Connection data

Connection method	SUNCLIX miniature connectors (socket/plug)
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### Dimensions

Dimensional drawing	
Width	38 mm
Height	11 mm
Length	100 mm

### Material specifications

Color	black
Flammability rating according to UL 94	V0
Insulating material	PA
Contact surface	Silver Ag
Contact material	Cu alloy
Outer sheath, material	PE-X

### Cable/line

Cable length	0.8 m
Cable type	PV1-F cables
Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	48 litz wires x 0.25 mm
External cable diameter	5.05 mm ... 5.35 mm
Outer sheath, material	PE-X
External sheath, color	black
Single wire, cross section	2.5 mm <sup>2</sup> 2.5 mm <sup>2</sup>

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Material, inner sheath	PE-X
Smallest bending radius, fixed installation	21 mm
Smallest bending radius, movable installation	21 mm
Cable pull-out force	>= 80 N

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (assembly)	-25 °C ... 55 °C

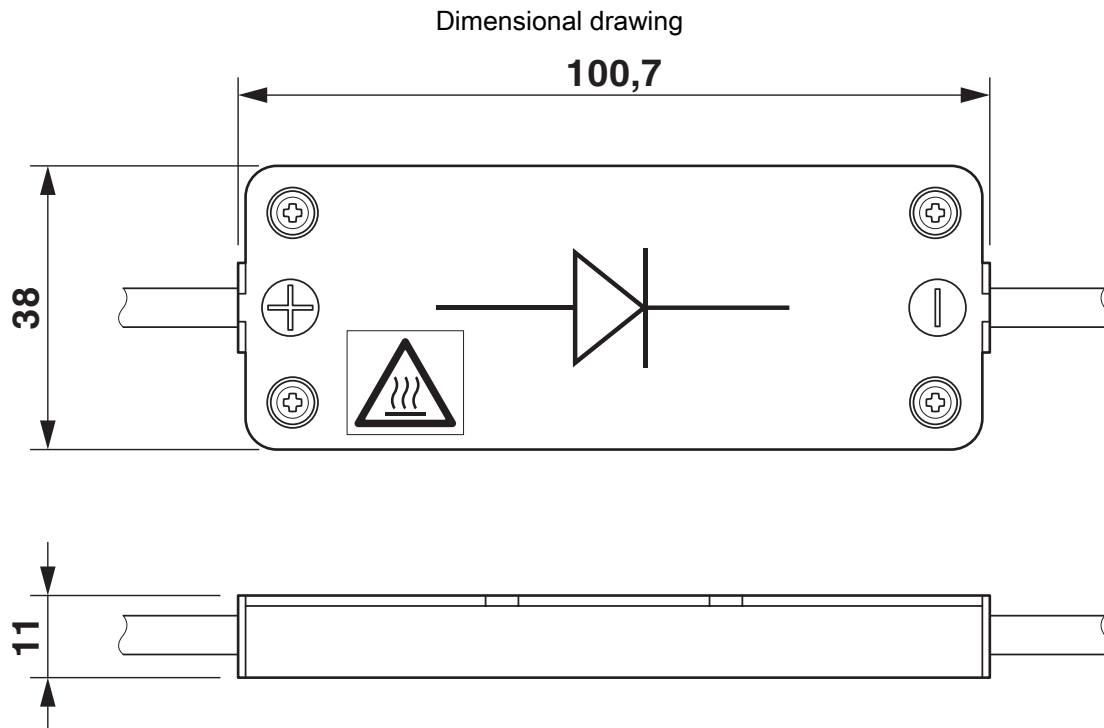
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## Drawings



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## Environmental product compliance

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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