

SolarWorld Sunbox[®] 4

Technical performance

Sunbox[®] 4

Designation	Sunbox 4
Max. system voltage (safety class II)	1000 V DC
Max. system voltage (US)	600 V DC
Rated current	10 A
Application class	A
Protection mode	IP2x (discrete) / IP65 (assembled)
Max. ambient temperature	-40°C ... +85°C

Suncable[®]

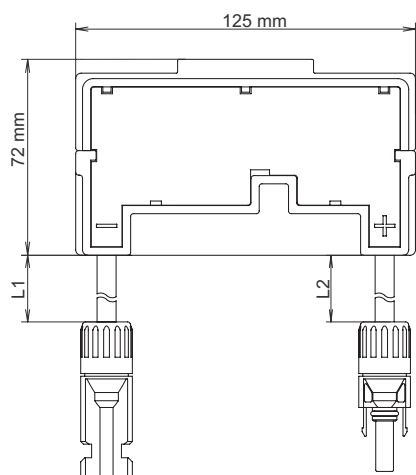
Insulation	polyolefin copolymer electron-beam cross-linked
Sheath	polyolefin copolymer electron-beam cross-linked
Conductor	Tinned fine copper strands, according to VDE 0295 / IEC 60228, class 5
Cross-section	1 x 4 mm ² (AWG 12)
Conductor diameter	2.6 mm
Outer diameter	7.2 mm
Max. temperature on conductor	+ 125 °C/20000 h
Max. conductor temperature at short circuit	280 °C / 5 s
Fire performance	IEC 60332-1, UL 1581 1061/VW1
Approvals	TÜV 2 PFG 1169/08.2007 PV1-F, UL 4703 PV WIRE, UL 854 USE-2
Length (L1 = L2)	1050 mm

Connector

Type	Multi-Contact, PV-KST4 / PV-KBT4 - UR
Contact material	Tinned copper
Insulation material	PC / PA
Protection mode	IP2x (unmated) / IP67 (mated)
Approvals	IEC 61215, UL recognized, safety class II, DIN V VDE V 0126-3

Sunbox[®] 4 Qualification

According to:	FprEN 50548:2010, UL 1703 3rd Ed.
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SolarWorld AG reserves the right to make specification changes without prior notice.

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