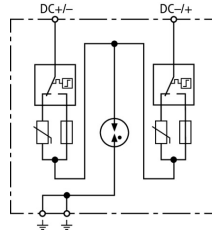


## DCB YPV SCI 1000 (900 061)

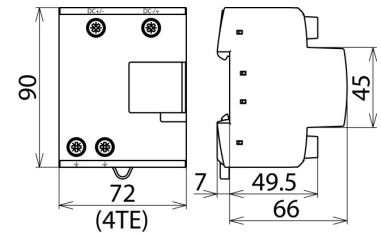
- Prewired type 1 and type 2 combined lightning current and surge arrester for use in photovoltaic generator circuits
- Combined disconnection and short-circuiting device with safe electrical isolation prevents fire damage caused by d.c. switching arcs (patented SCI principle)
- Space-saving enclosure with a width of four modules for up to 1500 V d.c.



Figure without obligation



Basic circuit diagram DCB YPV SCI 1000



Dimension drawing DCB YPV SCI 1000

Combined lightning current and surge arrester for use in photovoltaic power supply systems up to 1000 V d.c.

Type	DCB YPV SCI 1000
Part No.	900 061
SPD according to EN 50539-11	type 1 + type 2
Max. PV voltage [DC+ -> DC-] ( $U_{CPV}$ )	$\leq 1000$ V
Max. PV voltage [DC+/DC- -> PE] ( $U_{CPV}$ )	$\leq 720$ V
Short-circuit current rating ( $I_{SCPV}$ )	1000 A
Nominal discharge current (8/20 $\mu$ s) ( $I_n$ )	15 kA
Total discharge current (10/350 $\mu$ s) [DC+/DC- -> PE] ( $I_{total}$ )	12.5 kA
Specific energy [DC+/DC- -> PE] (I)	39.06 kJ/ohms
Lightning impulse current (10/350 $\mu$ s) [DC+ -> PE/DC- -> PE] ( $I_{imp}$ )	6.25 kA
Specific energy [DC+ -> PE/DC- -> PE] (W/R)	9.76 kJ/ohms
Voltage protection level [(DC+/DC-) -> PE] ( $U_P$ )	2.5 kV
Voltage protection level [DC+ -> DC-] ( $U_P$ )	4.75 kV
Response time ( $t_A$ )	$\leq 25$ ns
Operating temperature range ( $T_U$ )	-40 °C ... +80 °C
Operating state / fault indication	green / red
Number of ports	1
Cross-sectional area (min.)	1.5 mm <sup>2</sup> solid / flexible
Cross-sectional area (max.)	35 mm <sup>2</sup> stranded / 25 mm <sup>2</sup> flexible
For mounting on	35 mm DIN rails acc. to EN 60715
Enclosure material	thermoplastic, red, UL 94 V-0
Place of installation	indoor installation
Degree of protection	IP 20
Dimensions	4 module(s), DIN 43880
Approvals	KEMA
Weight	433 g
Customs tariff number	85363030
GTIN	4013364153721
PU	1 pc(s)

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress. The figures are shown without obligation.