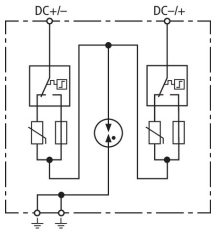
DCB YPV SCI 1500 (900 062)

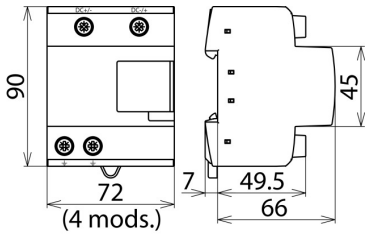
- Prewired type 1 and type 2 combined lightning current and surge arrester for use in photovoltaic generator circuits
- Combined disconnection and short-circuiting device with safe electrical isolation (patented SCI principle)
- Space-saving enclosure with a width of four modules



Figure without obligation



Basic circuit diagram DCB YPV SCI 1500



Dimension drawing DCB YPV SCI 1500

Combined lightning current and surge arrester for use in photovoltaic power supply systems up to 1500 V d.c.

Type Part No.	DCB YPV SCI 1500 900 062
Max. PV voltage [DC+ -> DC-] (U_{CPV})	≤ 1500 V
Max. PV voltage [DC+/DC- -> PE] (U_{CPV})	≤ 1100 V
Short-circuit current rating (I_{SCPV})	1000 A
Nominal discharge current (8/20 µs) (I_n)	15 kA
Total discharge current (8/20 µs) [DC+/DC- -> PE] (I_{total})	30 kA
Total discharge current (10/350 µs) [DC+/DC- -> PE] (I_{total})	12.5 kA
Specific energy [DC+/DC- -> PE] (I)	39.06 kJ/ohms
Lightning impulse current (10/350 µs) [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)	3.75 kV
Voltage protection level [DC+ -> DC-] (U_P)	7.25 kV
Response time (t_A)	≤ 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^2 solid / flexible
Cross-sectional area (max.)	35 mm^2 stranded / 25 mm^2 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
Extended technical data:	----------
– Short-circuit current rating (I_{SCPV})	2.5 kA
Weight	524 g
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364153745
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.