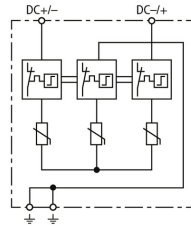


DCB YPV 1500 (900 071)

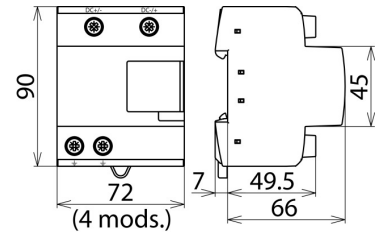
- For use in PV systems according to IEC 60364-7-712
- Universally applicable in earthed and unearthed PV systems
- Prewired type 1 and type 2 combined lightning current and surge arrester for use in photovoltaic generator circuits
- Fault-resistant Y circuit prevents damage to the surge protective device in case of insulation faults in the generator circuit



Figure without obligation



Basic circuit diagram DCB YPV 1500



Dimension drawing DCB YPV 1500

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

Type	DCB YPV 1500	
Part No.	900 071	
SPD according to EN 61643-31 / IEC 61643-31	type 1 + type 2 / class I + class II	
Max. PV voltage [DC+ -> DC-] (U _{CPV})	≤ 1500 V	
Max. PV voltage [DC+/DC- -> PE] (U _{CPV})	≤ 1500 V	
Short-circuit current rating (I _{SCPV})	10 kA	
Nominal discharge current (8/20 μs) (I _n)	20 kA	
Max. discharge current (8/20 μs) (I _{max})	40 kA	
Total discharge current (8/20 μs) [DC+/DC- -> PE] (I _{total})	40 kA	
Total discharge current (10/350 μs) [DC+/DC- -> PE] (I _{total})	12.5 kA	
Lightning impulse current (10/350 μs) [DC+ -> PE/DC- -> PE] (I _{imp})	6.25 kA	
Voltage protection level [(DC+/DC-) -> PE] (U _P)	< 4.5 kV	
Voltage protection level [DC+ -> DC-] (U _P)	< 4.5 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, UL	
Extended technical data:	-----	
– Use in DC battery storage systems up to I _{SCCR}	≤ 100 kA (t ≤ 5.83 ms)	
– Backup fuse for DC battery storage systems up to I _{SCCR}	Bussman HLS 2000Vdc / 200 A 2+/A173 DST aR, manufacturer's Part. No.: 170M2040	
– Backup fuse for DC battery storage systems up to I _{SCCR}	Mersen Protistor D122SD20C200QF 200A 2000V DC aR	
Weight	562 g	
Customs tariff number (Comb. Nomenclature EU)	85354000	
GTIN	6942299504545	
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.