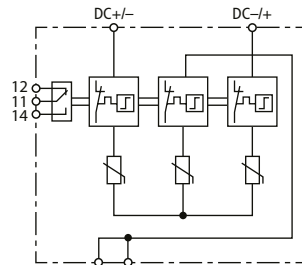
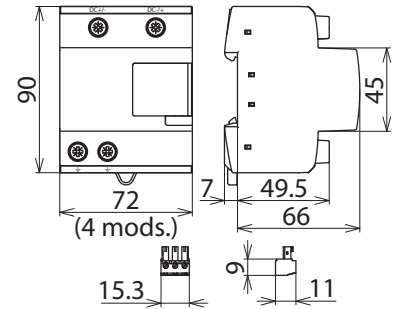


DCB YPV 1200 FM (900 075)

- Einsetzbar in PV-Systemen gemäß IEC 60364-7-712 / DIN VDE 0100-712
- Universell einsetzbar in geerdeten und ungeerdeten PV-Systemen
- Anschlussfertiger Kombi-Ableiter Typ 1 + Typ 2 für Photovoltaik-Generatorstromkreise
- Bewährte fehlerresistente Y-Schaltung vermeidet Schädigung des Überspannungsschutzes bei Isolationsfehlern im Generatorkreis



Basic circuit diagram



Dimension drawing

Kombi-Ableiter für Photovoltaik-Stromversorgungssysteme bis 1200 V DC; mit potentialfreiem Fernmeldekontakt.

Type	DCB YPV 1200 FM
Part No.	900 075
Technical data	
SPD according to EN 61643-31 / IEC 61643-31	Typ 1 + Typ 2 / Class I + Class II
Max. PV voltage [DC+ -> DC-] (U_{CPV})	≤ 1200 V
Max. PV voltage [DC+/DC- -> PE] (U_{CPV})	≤ 1200 V
Short-circuit withstand capability (I_{SCP})	10 kA
Nominal discharge current (8/20 μ s) (I_n)	20 kA
Max. discharge current (8/20 μ s) (I_{max})	40 kA
Total discharge current (8/20 μ s) [DC+/DC- -> PE] (I_{total})	40 kA
Total discharge current (10/350 μ s) [DC+/DC- -> PE] (I_{total})	12,5 kA
Lightning impulse current (10/350 μ s) [DC+ -> PE/DC- -> PE] (I_{imp})	6,25 kA
Voltage protection level [(DC+/DC-) -> PE] (U_p)	$< 3,8$ kV
Voltage protection level [DC+ -> DC-] (U_p)	$< 3,8$ kV
Response time (t_A)	≤ 25 ns
Operating temperature range (T_U)	-40 °C ... +80 °C
Operating state / fault indication	grün / rot
Number of ports	1
Cross-sectional area (min.)	1,5 mm ² ein- / feindrätig
Cross-sectional area (max.)	35 mm ² mehrdrätig / 25 mm ² feindrätig
For mounting on	35 mm Hutschiene nach EN 60715
Enclosure material	Thermoplast, Farbe rot, UL 94 V-0
Place of installation	Innenraum
Degree of protection	IP 20
Capacity	4 Standard DIN module, DIN 43880
Approvals	KEMA, UL
Type of remote signalling contact	Wechsler
Switching capacity (a.c.)	250 V / 0,5 A
Switching capacity (d.c.)	250 V / 0,1 A; 125 V / 0,2 A; 75 V / 0,5 A
Cross-sectional area for remote signalling terminals	max. 1,5 mm ² ein- / feindrätig
Extended technical data	
Use in DC battery storage systems up to I_{SCCR}	≤ 100 kA ($t \leq 5,83$ ms)
Backup fuse for DC battery storage systems up to I_{SCCR}	Bussman HLS 2000Vdc / 200 A 2+/A173 DST aR, Herst.Art.Nr.: 170M2040 Mersen Protistor D122SD20C200QF 200A 2000V DC aR
Standards	
Certification	UL
UL Standard	UL 1449 5 th edition
UL File Number	E319777
Test values according to UL 1449	
Type (SPD classification)	Type 1 & 2 component assembly

Test values according to UL 1449

Voltage protection rating (VPR)	< 3800 V
Nominal discharge current (8/20µs) (I _n)	20 kA
Maximum ambient temperature	80 °C

Masterdata

Net weight	511.4 g/pc(s)
GTIN	6942299504538
PU	1 pc(s)
Customs tariff number (Comb. Nomenclature EU)	85354000

We reserve the right to make changes to the design and technology, dimensions, weights and materials in the interests of technical progress. The illustrations are not binding.