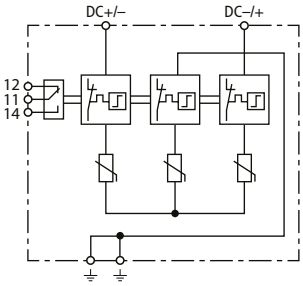
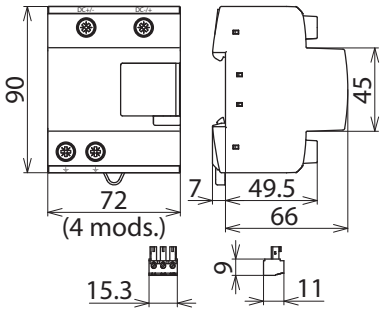
DCB YPV 1200 FM (900 075)

- 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**
Standards	
Certification	UL
UL Standard	UL 1449 5th edition
UL File Number	E319777
Test values according to UL 1449	
Type (SPD classification)	Type 1 & 2 component assembly
Voltage protection rating (VPR)	< 3800 V
Nominal discharge current (8/20µs) (I_n)	20 kA
Maximum ambient temperature	80 °C
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_{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)	< 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 mm² ein- / feindrähtig
Cross-sectional area (max.)	35 mm² mehrdrähtig / 25 mm² feindrähtig
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 mm² ein- / feindrähtig

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: Tested • NEU: New • !: Discontinued Model
: Cross connector • : Longitudinal connector • : Parallel connector • : T connector • : Clamp for parallel connector • : Clamp for T connector
: Pipe clamp for parallel connector • : Pipe clamp for T connector • : Equipotential bonding bar • : Bridging component

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, Herst.Art.Nr.: 170M2040 Mersen Protistor D122SD20C200QF 200A 2000V DC aR

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.

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