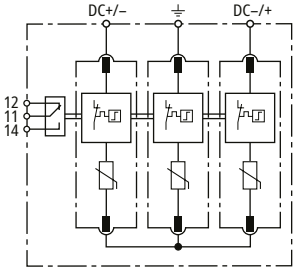
DG M YPV 1200 FM (952 565)

- Verdrahtungsfertige, modulare Kompletteinheit für Photovoltaik-Anlagen, bestehend aus Basisteil und gesteckten Schutzmodulen
- Hohe Gerätesicherheit durch Ableiterüberwachung „“Thermo-Dynamik-Control““
- Bewährte fehlerresistente Y-Schaltung





Basic circuit diagram

Dimension drawing

Mehrpoliger, modularer Überspannungs-Ableiter für PV-Anlagen mit Fernmeldekontakt für Überwachungseinrichtung (potentialfreier Wechsler). - old

Type	**DG M YPV 1200 FM**
Part No.	**952 565**
Test values according to UL 1449	
Type (SPD classification)	Type 1 component assembly
Usage (SPD classification)	For use in photovoltaic systems only
Mode	DC+ - DC-□DC+/--G
Maximum system voltage (V_{pvdc})	1170 V
Voltage protection rating (VPR)	3000 V
Nominal discharge current (8/20µs) (I_n)	20 kA
Maximum ambient temperature	+85 °C
AWG (conductors)	2-14 Cu solid or stranded
Torque (conductors)	35 - 45 Lbs-in
AWG (remote indicator)	14 - 22 Cu
Torque (remote indicator)	3 Lbs-in
Technical data	
SPD according to EN 61643-31 / IEC 61643-31	Typ 2 / Class II
Max. PV voltage (U_{CPV})	1170 V
Short-circuit withstand capability (I_{SCPV})	10 kA
Total discharge current (8/20 µs) (I_{total})	40 kA
Nominal discharge current (8/20 µs) [(DC+/DC-) --> PE] (I_n)	20 kA
Max. discharge current (8/20 µs) [(DC+/DC-) --> PE] (I_{max})	40 kA
Voltage protection level (U_p)	≤ 4 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	3 Standard DIN module, DIN 43880
Approvals	UL, KEMA
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
Extended technical data	
UL Standard	UL 1449 5th edition
Use in DC battery storage systems up to I_{SCCR}	≤ 100 kA (t ≤ 5,83 ms)

Extended technical data	
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	322 g/pc(s)
GTIN	4013364327719
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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: 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