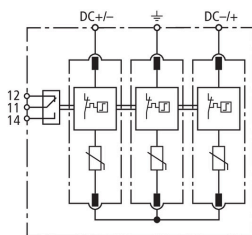


DG M YPV 1200 FM (952 565)

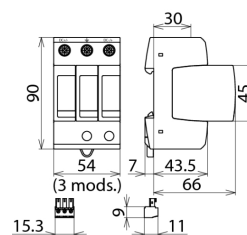
- Modular prewired complete unit for use in photovoltaic systems consisting of a base part and plug-in protection modules
- High reliability due to "Thermo Dynamic Control" SPD monitoring device
- Tried and tested fault-resistant Y circuit



Figure without obligation



Basic circuit diagram DG M YPV 1200 FM



Dimension drawing DG M YPV 1200 FM

Multipole modular surge arrester for use in PV systems; with remote signalling contact for monitoring unit (floating changeover contact).

Type	DG M YPV 1200 FM	
Part No.	952 565	
SPD according to EN 61643-31 / IEC 61643-31	type 2 / class II	
Max. PV voltage (U _{CPV})	1170 V	
Short-circuit current rating (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	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	
Capacity	3 module(s), DIN 43880	
Approvals	UL, KEMA	
Type of remote signalling contact	changeover contact	
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 solid / flexible	
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	322 g	
Customs tariff number (Comb. Nomenclature EU)	85354000	
GTIN	4013364327719	
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.