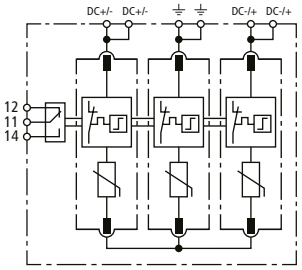
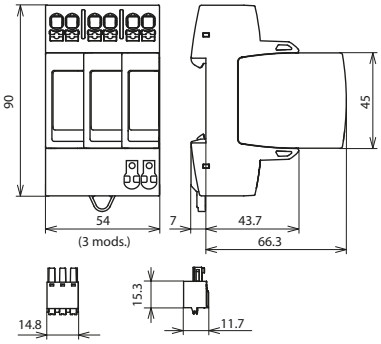
DG MP YPV 1200 FM (942 565)

- Prewired, modular complete unit with push-in connection terminal for photovoltaic systems, consisting of a base part and plugged-in protection modules
- High device reliability due to „“Thermo Dynamic Control““ arrester monitoring
- Tried and tested fault-resistant Y circuit





Basic circuit diagram



Dimension drawing

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

Type	**DG MP YPV 1200 FM**
Part No.	**942 565**
Technical data	
SPD according to EN 61643-31 / IEC 61643-31	type 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
Nominal load current (d.c.) (I_L)	40 A
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 mm² solid 6 mm² fine stranded
Cross-sectional area (max.)	10 mm² solid / fine stranded
Cross-sectional area (min.) with wire end ferrule	1.5 mm²
Cross-sectional area (max.) with wire end ferrule	6 mm²
Cross-sectional area (max.) with wire end ferrule without collar	10 mm²
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 Standard DIN module, DIN 43880
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 mm2 solid / flexible

Masterdata	
Net weight	299.13 g/pc(s)
GTIN	4013364495685
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