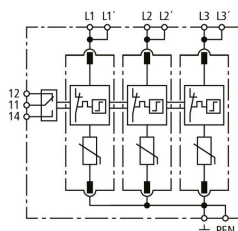


DG MP WE 600 FM (942 307)

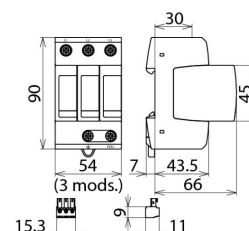
- Prewired complete unit consisting of a base part and remote signalling contact connection with push-in connection system and plug-in protection modules
- High discharge capacity due to heavy-duty zinc oxide varistors / spark gaps
- High device reliability due to "Thermo Dynamic Control" arrester monitoring



Figure without obligation



Basic circuit diagram DG MP WE 600 FM



Dimension drawing DG MP WE 600 FM

Modular three-pole surge arrester for use in wind turbines with a rated varistor voltage $U_{\text{mov}} = 750 \text{ V a.c.}$; FM version with floating remote signalling contact.

Type Part No.	DG MP WE 600 FM 942 307
SPD according to EN 61643-11 / IEC 61643-11	Type 2 + Type 3 / class II + class III
Energy coordination with terminal equipment ($\leq 10 \text{ m}$)	type 2 + type 3
Nominal voltage (a.c.) (U_N)	480 / 830 V (50 / 60 Hz)
Max. continuous operating voltage (a.c.) (U_C)	600 V (50 / 60 Hz)
Rated varistor voltage (U_{mov})	750 V
Nominal discharge current (8/20 μs) (I_n)	15 kA
Max. discharge current (8/20 μs) (I_{max})	25 kA
Combination wave [L-N] (U_{OC})	20 kV
Nominal load current for "V-connection" (I_L)	40 A
Voltage protection level (U_P)	$\leq 3 \text{ kV}$
Voltage protection level at 5 kA (U_P)	$\leq 2.5 \text{ kV}$
Response time (t_A)	$\leq 25 \text{ ns}$
Max. mains-side overcurrent protection with "V-connection"	40 A gG
Max. mains-side overcurrent protection with stub wiring (double connection $2 \times 10 \text{ mm}^2$)	100 A gG
Short-circuit withstand capability for max. mains-side overcurrent protection (I_{SCCR})	25 kA _{rms}
Temporary overvoltage (TOV) (U_T) – Characteristic	900 V / 5 sec. – withstand
Temporary overvoltage (TOV) (U_T) – Characteristic	915 V / 120 min. – safe failure
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 / 1.5 mm ² solid
Cross-sectional area (min.)	6 mm ² fine stranded
Cross-sectional area (max.)	10 mm ² solid / fine stranded
Cross-sectional area (min.) with wire end ferrule	1.5 mm ²
Cross-sectional area (max.) with wire end ferrule	6 mm ²
Cross-sectional area (max.) with wire end ferrule without collar	10 mm ²
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	KEMA, VDE
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
Weight	327 g
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364495302
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.