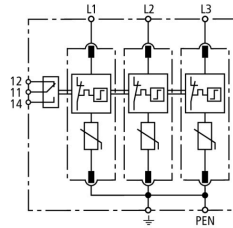


## DG M WE 600 FM (952 307)

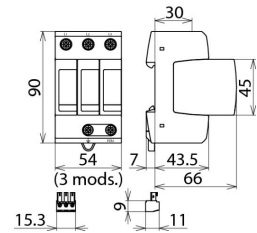
- Prewired complete unit consisting of a base part and plug-in protection modules
- High discharge capacity due to heavy-duty zinc oxide varistors / spark gaps
- High reliability due to "Thermo Dynamic Control" SPD monitoring device



Figure without obligation



Basic circuit diagram DG M WE 600 FM



Dimension drawing DG M WE 600 FM

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

Type Part No.	DG M WE 600 FM 952 307
SPD according to EN 61643-11 / IEC 61643-11	type 2 / class II
Energy coordination with terminal equipment ( $\leq 10 \text{ m}$ )	type 2 + type 3
Nominal voltage (a.c.) ( $U_n$ )	480 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 $\mu\text{s}$ ) ( $I_n$ )	15 kA
Max. discharge current (8/20 $\mu\text{s}$ ) ( $I_{max}$ )	25 kA
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	100 A gG
Short-circuit withstand capability for max. mains-side overcurrent protection ( $I_{SCCR}$ )	25 kA <sub>rms</sub>
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 <sup>2</sup> solid / flexible
Cross-sectional area (max.)	35 mm <sup>2</sup> stranded / 25 mm <sup>2</sup> 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	KEMA, UL
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 <sup>2</sup> solid / flexible
Weight	388 g
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364113312
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.