

## NEW DLM PV 1000 V2 (900 342)

- Prewired combined lightning current and surge arrester for use in photovoltaic generator circuits
- High lightning current discharge capacity due to approved creepage discharge spark gap technology
- Maximum system availability due to spark gap technology with direct current extinction circuit

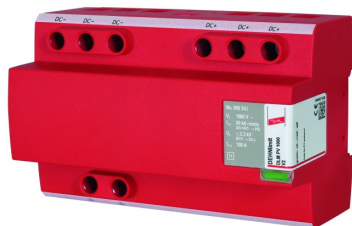
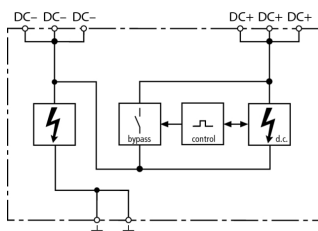
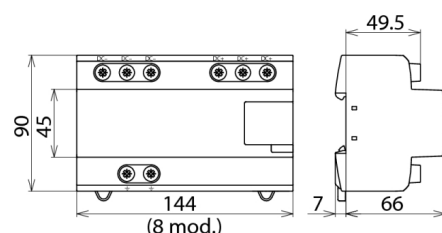


Figure without obligation



Basic circuit diagram DLM PV 1000 V2



Dimension drawing DLM PV 1000 V2

Combined lightning current and surge arrester for photovoltaic power supply systems up to 1000 V d.c.

Type	DLM PV 1000 V2
Part No.	900 342
SPD classification according to EN 61643-11	Type 1
SPD classification according to IEC 61643-1/-11	Class I
Max. PV voltage ( $U_{CPV}$ ) of the PV generator	1000 V
Max. continuous operating d.c. voltage ( $U_{max DC}$ )	1000 V
Min. continuous operating d.c. voltage ( $U_{min DC}$ )	100 V
Follow current extinguishing capability d.c. ( $I_{ri DC}$ )	100 A
Nominal discharge current (8/20 $\mu$ s) ( $I_n$ )	25 kA
Lightning impulse current (10/350 $\mu$ s) [DC+/DC- -> PE] ( $I_{imp}$ )	50 kA
Specific energy [DC+/DC- -> PE] (W/R)	625.00 kJ/ohms
Lightning impulse current (10/350 $\mu$ s) [DC+ -> DC-] ( $I_{imp}$ )	25 kA
Specific energy [DC+ -> DC-] (W/R)	156.25 kJ/ohms
Voltage protection level [DC+ -> DC-] ( $U_P$ )	$\leq 3.3$ kV
Voltage protection level [(DC+/DC-) -> PE] ( $U_P$ )	$\leq 4$ kV
Operating current ( $I_{IN dc}$ )	$\leq 5$ mA
Response time [DC+ -> DC-] ( $t_A$ )	$\leq 20$ ns
Protective conductor current ( $I_{PE}$ )	$\leq 1$ $\mu$ A
Operating temperature range ( $T_U$ )	-40°C...+60°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	8 module(s), DIN 43880
Weight	752 g
Customs tariff number	85363030
GTIN	4013364146624
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.