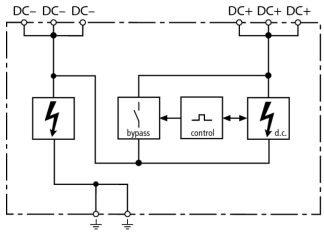
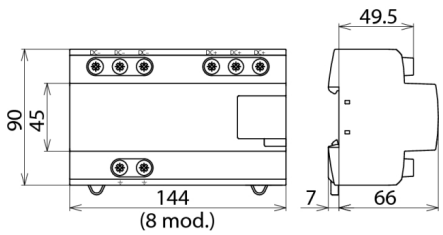
DLM PV 1000 V2 (900 342)

- 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 Part No.	DLM PV 1000 V2 900 342
SPD classification according to EN 61643-11	type 1
SPD classification according to IEC 61643-11	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. ($I_{fi\ DC}$)	100 A
Nominal discharge current (8/20 µs) (I_n)	25 kA
Lightning impulse current (10/350 µs) [DC+ + DC- -> PE] (I_{imp})	50 kA
Specific energy [DC+ + DC- -> PE] (W/R)	625.00 kJ/ohms
Lightning impulse current (10/350 µs) [DC+ -> DC-] (I_{imp})	25 kA
Specific energy [DC+ -> DC-] (W/R)	156.25 kJ/ohms
Voltage protection level [DC+ -> DC-] (U_P)	≤ 3.3 kV
Voltage protection level [(DC+/DC-) -> PE] (U_P)	≤ 4 kV
Operating current ($I_{IN\ dc}$)	≤ 5 mA
Response time [DC+ -> DC-] (t_A)	≤ 20 ns
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^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	8 module(s), DIN 43880
Weight	752 g
Customs tariff number	85363030
GTIN	4013364146624
PU	1 pc(s)

✔, : Tested NEW: New !: Discontinued Model