Dimension drawing DLM PV 1000

Basic circuit diagram DLM PV 1000

DLM PV 1000: Combined lightning current and surge arrester for use in photovoltaic power supply systems up to 1000 V d.c.

Prewired combined lightning current and surge arrester for use in photovoltaic generator circuits

For use in photovoltaic installations up to 1000 V U_{CPV}

High lightning current discharge capacity due to approved spark gap technology

Maximum system availability due to spark gap technology with direct current extinction

	DLM PV 1000
SPD classification according to EN 61643-11	Type 1
SPD classification according to IEC 61643-1	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]	100 kA
Lightning impulse current (10/350 µs) [L+/L- -> PE] [I_{imp}]	50 kA
Specific energy [L+/L- -> PE] [W/R]	625.00 kJ/ohms
Lightning impulse current (10/350 µs) [L+ -> L-] [I_{imp}]	25 kA
Specific energy [L+ -> L-] [W/R]	156.25 kJ/ohms
Voltage protection level [L+ -> L-] [U_p]	≤ 3.3 kV
Voltage protection level [(L+/L-) -> PE] [U_p]	≤ 4 kV
Operating current [$I_{IN\ dc}$]	≤ 5 mA
Response time [L+ -> L-] [t_A]	≤ 20 ns
Protective conductor current [I_{PE}]	≤ 1 µA
Operating temperature range [T_u]	-40°C...+60°C
Number of ports	1
Cross-sectional area (min.)	10 mm^2 solid/flexible
Cross-sectional area (max.)	25 mm^2 stranded/ 35 mm^2 flexible
For mounting on	35 mm DIN rail acc
Enclosure material	thermoplastic, red, UL 94 V-0
Place of installation	indoor
Degree of protection	IP 20
Capacity	8 mods., DIN 4

Ordering information	
Type	DLM PV 1000
Part No.	900 330
Packing unit	1 pc

We reserve the right to modify design, technology, dimensions, weights and materials according to technical progress. Illustrations are non-binding. Pictures may differ from the modules described.