

RM PV

Fused disconnect switches

for cylindrical photovoltaic fuses 10 x 38 and 14 x 51



***RM PV** 10 x 38*
32 A



***RM PV** 14 x 51*
50 A

The solution for

> Small systems up to large PV farms



Strong points

> Improved safety
> Product designed for photovoltaic applications
> Specific format and accessories

Compliance with standards

> IEC 60269
> NF EN 60269-1
> VDE 0636-10
> DIN 43620
> UL 4248-18 file E470731
> CSA 265615

Function

RM PVs are modular unipolar fuse disconnect switches for gPV type cylindrical fuses. They provide safety disconnection and protection against overcurrents caused by the reverse current in DC electrical PV circuits.

RM PVs are fuse disconnect switches with or without light signalling for fuses without strikers.

Advantages

Improved safety

- Rated voltage of 1000 VDC.
- Self-extinguishing thermoplastic materials.
- IP2X protection.

Product designed for photovoltaic applications

Protection against reverse currents by using gPV fuses dedicated to photovoltaic applications.

Specific format and accessories

- Modular 45-mm cut-out.
- Interlocking possible with accessory.

socomec Innovative Power Solutions

References

No. of poles	32 A 10 x 38		50 A 14 x 51	
	To be ordered in multiples of	Reference	To be ordered in multiples of	Reference
1 P	12	57PV **0001**(1)	6	56PV **1401**
1 P with signalling	12	57PV **0L01**(1)		

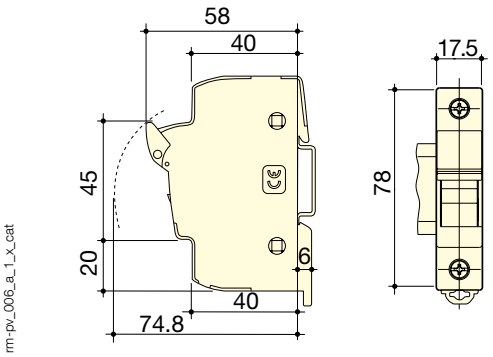
(1) UL and CSA-certified.

Characteristics according to IEC 60269-2

Thermal current I_{th}	**32 A**	**50 A**
Fuse size	10 x 38	14 x 51
Rated insulation voltage U_i (V)	1000	1000
Fuse rating		
Fuse rating (A)	1 … 20	25 … 32
Power		
Rated dissipated power (W)	3	5
Derating factor of design current for N poles side by side		
N = 1 … 3	1	1
N = 4 … 6	0.8	0.8
N = 7 … 9	0.7	0.7
N ≥ 10	0.6	0.6
Connection		
Minimum Cu cable cross-section (mm^2)	0.75	1.5
Maximum Cu rigid cable cross-section (mm^2)	10	35
Tightening torques (Nm)	2.5	3
Dimensional data		
Weight of 1 P (kg)	0.057	0.15

Dimensions

RM PV 10 x 38



RM PV 14 x 51

