

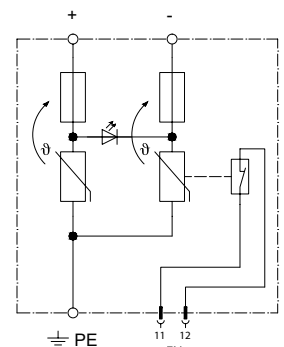
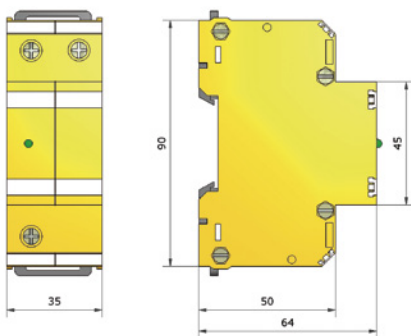
Arresters for Photovoltaic Installations

Protection of PV Installations

PowerPro PV 800

Two-pole dc combined modular arrester, class I and II.

- When applied in PV installations, these devices are placed inside the connection box of the solar generator and on the dc side of the inverter
- Optional remote signalling contact (FM)



Basic circuit diagram

Technical Data	PP PV 800
PV voltage (UocSTC)	800 V=
Max. continuous direct voltage (Uc)	850 V=
Protection level at In (8/20 μs) (Up)	≤ 2.2 kV
Protection level at 5 kA (Up)	≤ 1.8 kV
Response time (tA)	≤ 25 ns
Lightning impulse current (10/350 μs) per pole (Iimp)	12.5 kA
Max. impulse discharge current (8/20 μs) (In)	40 kA
Operating temperature range (TU)	-40 – +80 °C
Min. conductor cross section	10 mm ²
Max. conductor cross section	35 mm ² stranded / 25 mm ² fine-stranded
Max. connection torque for terminals	4.5 Nm
Enclosure material / colour	polycarbonate (halogen-free) UL94-V0 / yellow
Degree of protection (IEC EN 60529)	IP 20
Mounting on	DIN rail 35 mm according to DIN EN 50 022
Net weight / pc	350 g

Order Data	
Product	PP PV 800
Ordering part no.	37 44 00

Technical Data and Order Data	PP PV 800/FM
FM contact / contact type	break contact
Switching capacity	250 / 2 V/A
Product	PP PV 800/FM
Ordering part no.	37 44 01

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