



PSC2-12.5/230 TT



PSC4-25/400 TTIR



PSM3-40/1000 PV



PSC 12.5/230

Modular plug-in surge protection devices (SANS/IEC 61643-11)

Type 1+2 / Class I+II lightning current and surge arrester (*combined in a single device*)

Suitable for first level protection of incoming power supply panels in areas with greater exposure to lightning. For installations usually provided with external lightning protection systems. Able to discharge lightning currents (10/350 μ s) and induced voltage surges (8/20 μ s) IEC 61643-11

- Capable of protecting equipment from direct lightning strikes
- Discharges impulse currents with a 10/350 μ s waveform. Iimp: 12.5 kA or 25 kA per phase
- Clear lifetime indication (on front face) and optional remote (IR) end of life signalling contact
- Provides protection for most sensitive equipment (*IEC 60634-4-443 category 1*)

type	10/350 μ s L-N (Iimp)	(8/20 μ s) L-N (Imax)	max. volts L-N (Uc)	voltage protection (Up)	poles	config.	width in 18 mm
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Type 1+2 / Class I+II lightning current and surge arrester (*combined in a single device*)

Iimp (10/350) 12.5kA per phase, I total 25kA (2 pole) and 50kA (4 pole)

PSC2-12.5/230 TT	12.5 kA	65 kA	275 V	≤ 1.3 kV	2	1ph+N	2
PSC2-12.5/230 TTIR	12.5 kA	65 kA	275 V	≤ 1.3 kV	2	1ph+N	2
PSC4-12.5/400 TT	12.5 kA	65 kA	275 V	≤ 1.3 kV	4	3ph+N	4
PSC4-12.5/400 TTIR	12.5 kA	65 kA	275 V	≤ 1.3 kV	4	3ph+N	4

Iimp (10/350) 25kA per phase, I total 50kA (2 pole) and 100kA (4 pole)

PSC2-25/230 TT	25 kA	100 kA	275 V	≤ 1.5 kV	2	1ph+N	4
PSC2-25/230 TTIR	25 kA	100 kA	275 V	≤ 1.5 kV	2	1ph+N	4
PSC4-25/400 TT	25 kA	100 kA	275 V	≤ 1.5 kV	4	3ph+N	8
PSC4-25/400 TTIR	25 kA	100 kA	275 V	≤ 1.5 kV	4	3ph+N	8

(IR) last two digits - with signalling contacts for remote indication/monitoring of devices

Surge protection devices for photovoltaic (PV) installations 1000/1500 VDC

PSM PV is the range of devices for discharging induced transient overvoltages (Type 2 / Class II) for Photovoltaic installations, in accordance with EN 50539-11, UL 1449 certified.

Due to their location, solar panels and in many cases, the inverters they are connected to are exposed to and particularly prone to direct or indirect lightning strikes.

As PV systems are directly connected to electrical networks of buildings, surge protection is essential.

Type 2 / Class II - photovoltaic surge protection devices

Suitable for protection where no external protection is installed. Protection should be installed on the DC and AC side of an installation.

- Clear lifetime indication (*on front face*) and optional remote (IR) end of life signalling contact
- Plug-in cartridges for quick and easy replacement of damaged ones
- Suitable for PV applications: large-scale, rooftop and self-consumption (*off-grid*) DC installations.
- No back-up fuse required due to dynamic thermal disconnect system - capacity of 10kA (Iscpv)

1000/1500 VDC photovoltaic surge protection device

PSM3-40/1000 PV	–	40 kA	1060 V	≤ 4.0 kV	3	L+/PE/L-	3
PSM3-40/1000 PVIR	–	40 kA	1060 V	≤ 4.0 kV	3	L+/PE/L-	3
PSM3-40/1500 PV	–	40 kA	1500 V	≤ 5.0 kV	3	L+/PE/L-	3
PSM3-40/1500 PVIR	–	40 kA	1500 V	≤ 5.0 kV	3	L+/PE/L-	3

Type 1+2 / Class I+II photovoltaic surge protection devices (*combined in a single device*)

PSC PV is a combined device for discharging lightning currents (*Type 1 / Class I*) and protecting against induced transient overvoltages (*Type 2 / Class II*) for Photovoltaic installations, in accordance with EN 50539-11. DIN rail plug-in format.

- Protection for combiner boxes in areas with greater exposure to the atmosphere
- Exclusive device for photovoltaic systems according to EN 50539-11
- No back-up fuse required due to dynamic thermal disconnect system - capacity of 10kA (Iscpv)

1000 VDC photovoltaic surge protection device

PSC3-5/1000 PV	5 kA	40 kA	1060 V	≤ 4.0 kV	3	L+/PE/L-	3
PSC3-5/1000 PVIR	5 kA	40 kA	1060 V	≤ 4.0 kV	3	L+/PE/L-	3

(IR) last two digits - with signalling contacts for remote indication/monitoring of devices

Spare replacement plug-in cartridges for surge arrestors type

PSC 12.5/230	12.5 kA	65 kA	275 V	< 1.3 kV	1+2	PSC2/4 - 12.5 ph
PSC 25/230	25 kA	100 kA	275 V	< 1.5 kV	1+2	PSC2/4 - 25 ph
PSC 50N2	50 kA	65 kA	255 V	< 1.5 kV	1+2	PSC2 - 25 neutral
PSC 100N	100 kA	100 kA	255 V	< 1.5 kV	1+2	PSC4 - 25 neutral
PSM-40/1000 PV	–	40 kA	1170 V	< 2.0 kV	2	PSC3 - 40 PV
PSC-5/1000 PV	5 kA	40 kA	1060 V	≤ 4.0 kV	1+2	PSC3-12.5 PV