



PSM1-40/230



PSM2-40/230 TT



PSM4-40/400 TT



SAFEGROUND



PSM2-40/230 SG



PSM-40/230

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

For the protection of low voltage equipment against transient voltages and current surges from atmospheric origins (*lightning*) as well as transients produced by switching characteristics such as in switching of distribution networks, transformers, motors, etc.

- Provides protection for even most sensitive equipment (IEC 60634-4-443 category-1)
- Clear lifetime indication (*on front face*) and optional remote (IR) end of life signalling contact
- Meets all current international standards (*IEC 61643 / IEC 62305, etc.*)
- Plug-in cartridges for quick and easy replacement of damaged cartridges
- Suitable for all types of applications: residential, commercial and industrial

type	(8/20 μ s) L-N (Imax)	max. volts L-N (Uc)	voltage protection (Up)	poles	config.	with signal contact	width in 18 mm
------	---------------------------------	---------------------------	-------------------------------	-------	---------	---------------------------	-------------------

Type 2 / Class II surge protection devices

Ability to discharge induced voltage surges (8/20 μ s). Suitable for second level protection in supply distribution panels in which Type 1 protectors are installed, or first level of protection for applications not exposed to direct strikes and with no external lightning protection system. IEC 61643-11.

- High discharge capacity tested with an 8/20 μ s waveform: 20kA or 40 kA per phase
- Provides protection for most sensitive equipment (*IEC 60634-4-443 category 1*)

Imax 20kA (8/20 μ s)

PSM1-20/230	20 kA	320 V	≤ 1.4 kV	1	1ph	–	1
PSM1-20N	20 kA	265 V	≤ 1.5 kV	1	N	–	1
PSM2-20/230 TT	20 kA	320 V	≤ 1.4 kV	2	1ph+N	–	2
PSM2-20/230 TTIR	20 kA	320 V	≤ 1.4 kV	2	1ph+N	signal	2
PSM4-20/400 TT	20 kA	320 V	≤ 1.4 kV	4	3ph+N	–	4
PSM4-20/400 TTIR	20 kA	320 V	≤ 1.4 kV	4	3ph+N	signal	4

Imax 40kA (8/20 μ s)

PSM1-40/230	40 kA	275 V	≤ 1.3 kV	1	1ph	–	1
PSM1-40N	40 kA	265 V	≤ 1.5 kV	1	N	–	1
PSM2-40/230 TT	40 kA	275 V	≤ 1.3 kV	2	1ph+N	–	2
PSM2-40/230 TTIR	40 kA	275 V	≤ 1.3 kV	2	1ph+N	signal	2
PSM4-40/400 TT	40 kA	275 V	≤ 1.3 kV	4	3ph+N	–	4
PSM4-40/400 TTIR	40 kA	275 V	≤ 1.3 kV	4	3ph+N	signal	4

PSM SAFEGROUND

DIN - rail device for monitoring the earthing system from within the actual surge protection device. SAFEGROUND technology is based on the loop impedance monitoring sending current pulses to check the status of the grounding system and provide information regarding the proper wiring of the device and the existence of an adequate path to ground for the SPD itself to protect effectively.

- Confirms the device is properly installed and how effective the surge protection is
- Indication of the status of the earth loop via multi-state LEDs
- High discharge capacity with an 8/20 μ s waveform. Imax: 40 kA

PSM2-40/230 SG	40 kA	275 V	≤ 1.3 kV	2	1ph+N	–	2
PSM4-40/400 SG	40 kA	275 V	≤ 1.3 kV	4	3ph+N	–	4

Class 2 surge protection devices for higher voltage applications (500 - 690V)

- Rated varistor voltage Uc = 750 VAC / Imax 30kA (8/20 μ s) Un 690 VAC

PSM1-30/750	30 kA	750 V	≤ 3.0 kV	1	1ph	–	1
PSM1-30/750 IR	30 kA	750 V	≤ 3.0 kV	1	1ph	signal	1
PSM3-30/750 TNC	30 kA	750 V	≤ 3.0 kV	3	3ph	–	1
PSM3-30/750 TNCIR	30 kA	750 V	≤ 3.0 kV	3	3ph	signal	1

Spare replacement plug-in cartridges for Type 2 surge arrestors

PSM-20/230	20 kA	320 V	< 1.4 kV	–	PSM1/2/4-20 phase
PSM-40/230	40 kA	275 V	< 1.3 kV	–	PSM1/2/4-40 phase
PSM-30/750	30 kA	750 V	< 3.0 kV	–	PSM1/3-30 phase
PSM-20N	20 kA	255 V	< 1.5 kV	–	PSM1/2/4-20 neutral
PSM-40N	40 kA	255 V	< 1.5 kV	–	PSM1/2/4-40 neutral