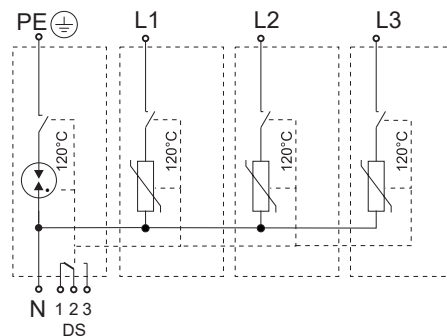
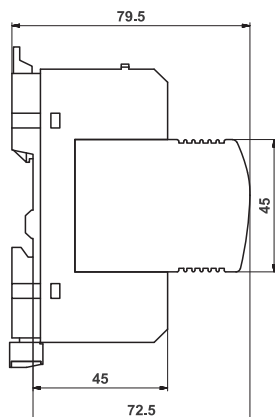
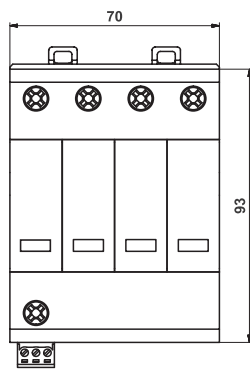


Surge arrester / varistor + gas discharge tube / TYPE 2

TYPE 2 / CLASS II / TN-S / TT / CE



PIIIM-275/3+1
PIIIM-275 DS/3+1

PIIIM-275/3+1 **Vseries** is a four-pole, metal oxid varistor surge arrester combined with gas discharge tube, Type 2 according to EN 61643-11 and IEC 61643-11. These arresters are recommended for use in the Lightning Protection Zones Concept at the boundaries of LPZ 1-2 (according to IEC 1312-1 and EN 62305), where they provide the equipotential bonding and discharge of the switching overvoltage, which is generated in power supply systems entering the building. The main use of PIIIM-275/3+1 **Vseries** arrester is in all kinds of industry, residential and administration buildings. They are to be placed into the subsidiary switchboards or control boxes.

The marking **M** specifies a type of construction with removable module. The marking **DS** specifies a version with remote monitoring.

Type Vseries		PIIIM-275/3+1, PIIIM-275 DS/3+1
Test class according to EN 61643-11 and IEC 61643-11		TYPE 2, CLASS II
Max. continuous operating voltage	U_C	275 V AC / 350 V DC
Max. discharge current (8/20)	I_{max}	50 kA
Nominal discharge current (8/20) L/N	I_n	20 kA
Nominal discharge current (8/20) N/PE	I_n	20 kA
Voltage protection level	U_P	< 1,3 kV
Lightning impulse current (10/350) N/PE	I_{imp}	20 kA
Temporary overvoltage (TOV) L/N	U_T	335 V/5 s
Temporary overvoltage (TOV) N/PE	U_T	1200 V/0,2 s
Response time L/N	t_A	< 25 ns
Response time N/PE	t_A	< 100 ns
Max. back-up fuse		160 A gL/gG
Short-circuit withstand capability	I_p	60 kA _{rms}
LPZ		1-2
Housing material		Polyamid PA6, UL94 V-0
Protection type		IP20
Operating temperature range	ϑ	-40°C ... +80 °C
Cross-section of the connected conductors (at tightening moment of clamps 4 Nm)		25 mm ² (solid) 16 mm ² (wire)
Mounting on		DIN rail 35 mm
Failure indication		green - ok / red - failure
Potential free signal contact (DS) (recommended cross-section of remote monitoring max.1 mm ²)		AC: 250 V / 0,5 A, DC: 250 V / 0,1 A
Lifetime		min.100 000 h
Weight	m	346 g
Article number		
PIIIM-275/3+1		27 022
PIIIM-275 DS/3+1		27 023
Varistor-based spare module		PIIIM-275/M
		27 044
GDT spare module		B20M/M
		27 049