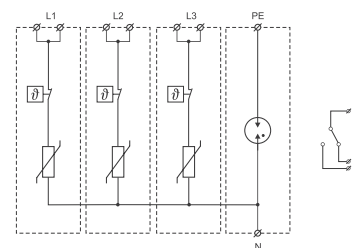
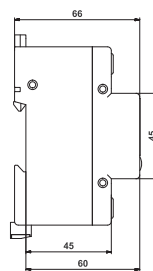
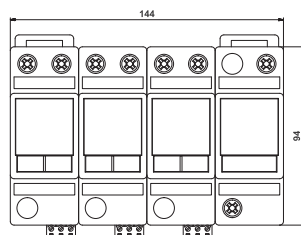


Lightning and surge arrester / varistor + gas discharge tube / TYPE 1+2

TYPE 1+2 / CLASS I+II / TN-S / TT / CE



SPC25/3+1 SPC25 DS/3+1

SPC25/3+1 is a metal oxid varistor lightning and surge arrester, combined with gas discharge tube Type 1+2 according to EN 61643-11 and IEC 61643-11. These are recommended for use in the Lightning Protection Zones Concept at the boundaries of LPZ 0-1 (according to IEC 1312-1 and EN 62305), where they provide the equipotential bonding and discharge of both, the lightning current and the switching surge, which are generated in power supply systems entering the building. The use of the lightning current arresters SPC25/3+1 is mainly in the power supply lines, which are operated as TN-S and TT systems. The main use of SPC25/3+1 arrester is in structures of LPZ I – II according to EN 62305 ed.2.

Double terminals of the device allow the "V" connection at the maximum current-carrying capacity of 125A.

Type		SPC25/3+1, SPC25/3+1 DS
Test class according to EN 61643-11 and IEC 61643-11		TYPE 1+2, CLASS I+II
Max. continuous operating voltage	U_C	275 V AC / 350 V DC
Lightning impulse current (10/350) L/N	I_{imp}	25 kA
- charge	Q	12,5 As
- specific energy	W/R	156 kJ/Ω
Lightning impulse current (10/350) N/PE	I_{imp}	100 kA
- charge	Q	50 As
- specific energy	W/R	2500 kJ/Ω
Total lightning impulse current (10/350) L1+L2+L3+N→PE	I_{total}	100 kA
Nominal discharge current (8/20)	I_n	25 kA
Max. discharge current (8/20)	I_{max}	50 kA
Total lightning current (8/20 μs) L1+L2+L3+N→PE	I_{total}	200 kA
Voltage protection level	U_p	< 1,2 kV
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		250 A gL/gG
Max. back-up fuse („V“ connection)		125 A gL/gG
Short-circuit withstand capability	I_p	80 kA _{rms}
LPZ		0-1
Housing material		Polyamid PA6, UL 94 V-0
Protection type		IP20
Operating temperature range	θ	-40 °C ... +70 °C
Cross-section of the connected conductors (at tightening moment of clamps 4 Nm)		35 mm ² (solid) 25 mm ² (wire)
Mounting on		DIN rail 35 mm
Failure signalisation		pushed in - ok / pushed out - 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	1125 g
Article number		
SPC25/3+1		10 732
SPC25 DS/3+1		10 632