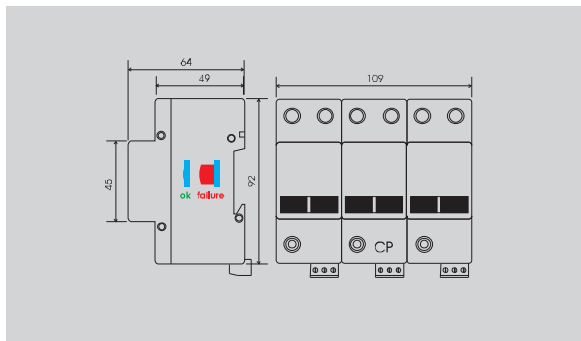
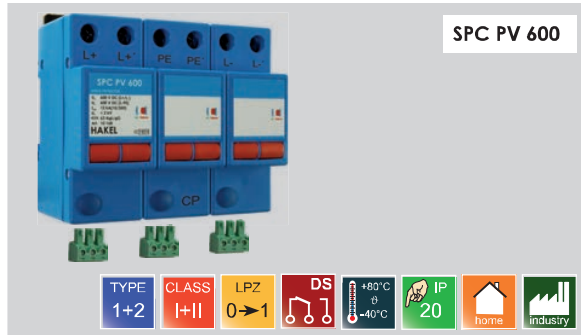
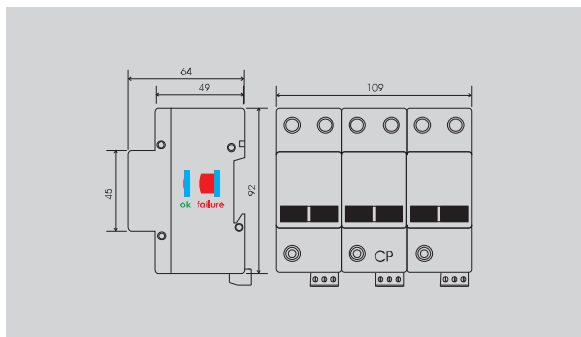
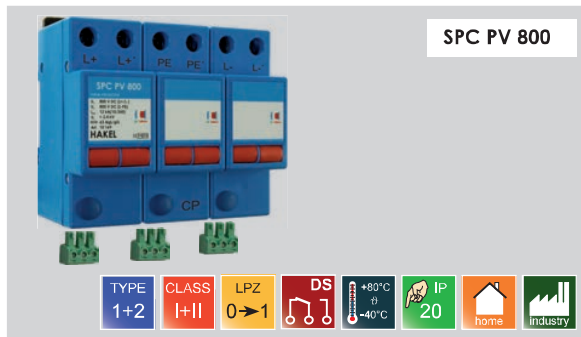


**LIGHTNING AND SURGE ARRESTERS - VARISTOR**

SPC PV is lightning arrester type 1+2 according to EN 61643-11 and IEC 61643-1. It is designed for protection of positive and negative busbars of photovoltaic systems against the surge effects. These arresters 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). Particular varistor sectors connected between terminals L+, L- and PE are equipped with fitted internal disconnectors which are activated when varistors fail (overheat). Failure indication of these disconnectors is partly mechanical (by red signaling target) and partly remote monitoring (by potential free switching contacts).

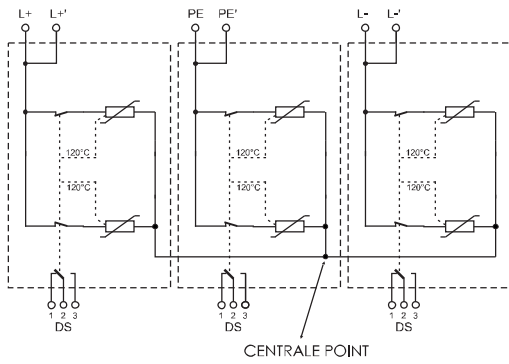
Three pole MOV lightning current and surge arrester

Type SPC PV 600/ SPC PV 600 DS		
Max. continuous operating voltage	U_{CPV}	650 V DC
Open circuit voltage of PV generator	U_{OCSTC}	$U_{OCSTC} < U_{CPV}/1,2 = 540 \text{ V}$
Short circuit withstand	I_{SCWPV}	25 A
Lightning impulse current (10/350)	I_{imp}	12,5 kA
- charge	Q	6 As
- specific energy	W/R	36 kJ/Ω
Application		L+/L-, L+/PE, L-/PE
Nominal discharge current (8/20)	I_n	25 kA
Voltage protection level at I_n	U_P	<2,4 kV
Response time	t_A	<25 ns
Weight	m	900 g
Lifetime		min.100 000 h
Article number		
SPC PV 600		10 168
SPC PV 600 DS		10 068

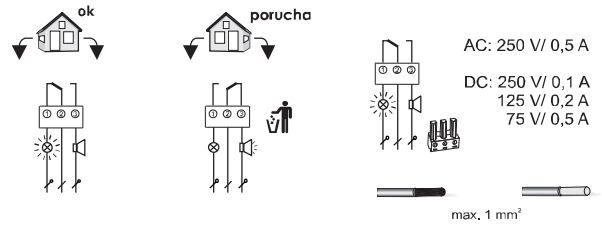
**Three pole MOV lightning current and surge arrester**

Type SPC PV 800/ SPC PV 800 DS		
Max. continuous operating voltage	U_{CPV}	880 V DC
Open circuit voltage of PV generator	U_{OCSTC}	$U_{OCSTC} < U_{CPV}/1,2 = 740 \text{ V}$
Short circuit withstand	I_{SCWPV}	25 A
Lightning impulse current (10/350)	I_{imp}	12,5 kA
- charge	Q	6 As
- specific energy	W/R	36 kJ/Ω
Application		L+/L-, L+/PE, L-/PE
Nominal discharge current (8/20)	I_n	25 kA
Voltage protection level at I_n	U_P	<3,1 kV
Response time	t_A	<25 ns
Weight	m	900 g
Lifetime		min.100 000 h
Article number		
SPC PV 800		10 169
SPC PV 800 DS		10 069





Connection of potential - free remote monitoring



Three pole MOV lightning current and surge arrester

Type SPC PV 1000/ SPC PV 1000 DS		
Max. continuous operating voltage	U_{CPV}	1000 V DC
Open circuit voltage of PV generator	U_{OCSTC}	$U_{OCSTC} < U_{CPV}/1,2 = 830 \text{ V}$
Short circuit withstand	I_{SCWFPV}	25 A
Lightning impulse current (10/350)	I_{imp}	12,5 kA
- charge	Q	6 As
- specific energy	W/R	36 kJ/Ω
Application		L+/L-, L+/PE, L-/PE
Nominal discharge current (8/20)	I_n	25 kA
Voltage protection level at I_n	U_p	<3,5 kV
Response time	t_A	<25 ns
Weight	m	900 g
Lifetime		min. 100 000 h
Article number		
SPC PV 1000		10 170
SPC PV 1000 DS		10 070

