

SCL

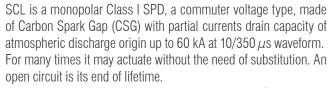
Monopolar Class I (IEC 61.643-1) with Spark Gap.

- High drain capacity impulse currents at 10/350 μ s waveform;
- Supportability to high interruption subsequent current:
- Direct connection to electrical bus at IEC or NEMA standard distribution boards.



Protection of electronic and professional equipments directly connected to the electric power lines against overvoltages originated by atmospheric discharge (lightning) or electrical switching of power lines.

Suitable for installation between line and ground, and between neutral and ground and in distribution or control boards.



Its modular conception makes easy to connect many SPD together



in a single mounting plan, directly or not to the electrical bus, as well as to other components of the electric circuit distribution boards. SCL's fixing system is simple and fast, been done on standard 35 mm DIN rail (European Standard).

SCL has a thermoplastic isolating housing, fireless propagating and with V-0 flammability degree, according to UL 94.

Characteristics	Un.	SCL			
Standards	-	IEC 61643-1 / UL 1449			
Response time	ns	< 100			
Thermal protection	-	NA			
Back-up fuse	A	315 - gL/gG Class			
Maximum short-circuit current without back-up fuse	kA	80			
Operation temperature	۰C	-40+80			
Cross-section	mm²	425			
Mounting type	-	35 DIN rail			
Protection type acc. to IEC 60 529/ EN 60 529	IP	20			
Housing	-	Reinforced Polyamide box with glass fiber UL 94 V-0			
DIN 43 880 Dimension	Mod.	2			
Dimension	mm	90 x 67 x 36.2			
Remote signaling	-	NA			

Performance Characteristics:

SCL		Continuous n Voltage	Nominal Current at 8/20 <i>µ</i> s	Maximum Nominal Current at 8/20 µs	Maximum Impulse Current at 10/350 μ s	Subsequent Interruption Current	Specific Energy	Protection Level	Weight
	1								
Model	AC AC	DC	. I _N	I _{MÁX}	I _{IMP}	I _{FI}	W/R	U _P	g
Model SCL 275V 60kA			. I _N 60 kA	I _{MÁX} 120 kA	I _{IMP}	I _{FI} 20 kA	W/R 900 kJ/Ω	U _P < 1.3 kV	g 224

Electrical Circuit:



Mechanical Drawing:

