

SPD, 3+1 TT, Class I+II+III(B+C+D) 255V, limp 12.5kA



Technical Data

Circuit	3+1
Max. continuous voltage AC (VAC)	255/305
Lightning surge current rating (kA)	12,5/50
Rated discharge current (kA)	20/50
Max. discharge current (kA)	50/100
Voltage protection level (kV)	1500
Horizontal pitch (HP)	4
Remote contact	no
Optional Accessories	IS050020-A
Rated voltage	240VAC
Short circuit withstand	25
Specific Energy (kJ/Ω)	39/625
Charge (As)	6,25/25
Response Time (ns)	<100
Overcurrent Protection (max) (A gG)	250
TOV SafeFail 120min (L-N) (V)	442
TOV Withstand 200ms (N-PE) (V)	1200
Follow Current Interrupt Rating (A)	25/100A

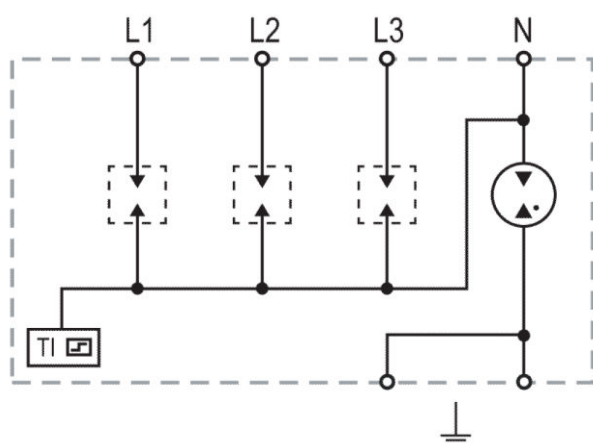
Technical Data - continued

Open Circuit Voltage of Combination Wave Generator (1,2/50µs) (kV)	6
Short Circuit Current of Combination Wave Generator (8/20µs) (kA)	3
Leakage current free	Yes

Technical Data

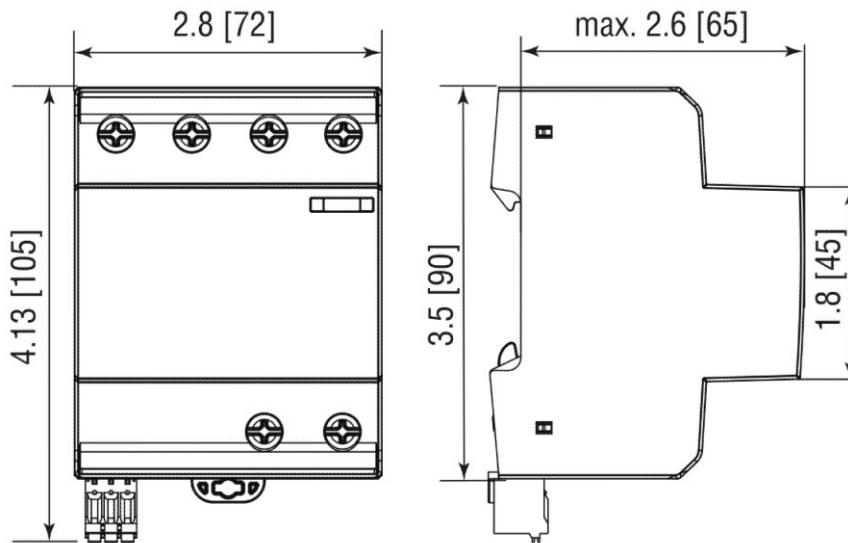
Operating Temperature Range	T _a	-40 °C to +85°C [-40°F to +185°F]
Permissible Operating Humidity	RH	5% ... 95%
pollution degree		2
Altitude (max)		4000m [13123 ft]
Torque	M _{max}	4.5Nm [40 lpf in]
Conductor Cross Section (max)		35mm ² (Solid, Stranded)/25mm ² (Flexible) 2 AWG (Solid, Stranded)/4 AWG (Flexible)
Mounting		35mm DIN Rail, EN 60715
Degree of Protection		IP20 (built-in)
Operating State/ Fault Indication		Green Flag/ Not Green Flag
Remote Contacts (RC)		Optional
RC Switching Capacity		AC: 250V/0.5A, 125V/0.1A; DC: 48V/0.5, 24V/0.5, 12V/0.5A
RC Conductor Cross Section (max)		1.5mm ² (Solid)/16 AWG (Solid)
Energy coordination with terminal equipment (≤ 10m)		Typ 1 + Typ 2 + Typ 3

Circuit diagram IS051010--



Legend

L	Line Conductor Terminal
	PE Conductor Terminal
N	Neutral Conductor Terminal
TI	Thermal Indicator

Dimension diagram IS051010-- (inches [mm])

Article Table

DESCRIPTION	COPPER WEIGHT (kg/km)	Order No.
SPD, 3+1 TT, Class I+II+III(B+C+D) 255V, limp 12.5kA		IS051010
Optional Accessories		
CU Busbar (SPD B/C-RCD) TNC	163	IS050020-A
For simple connection of the BC series RCCB with Surge arrester IS2x		