



SAFETUBE B 50



- Category IEC / EN / VDE: Class I, II / Type 1, 2 / B, C
- Location of use: Main distribution boards
- Network system: TT
- Protection modes: N - PE
- Protective element: High energy GDT
- Surge discharge rating: $I_{imp} = 50\text{kA}$
- Housing: Compact design
- Complies with: IEC/EN 61643-11, UL 1449 3rd Ed.



Technical data

Type		SAFETUBE B 50
Electrical characteristics		
Max. continuous operating voltage (AC/DC)	U_C	255V
Nominal discharge current (8/20)	I_n	50kA
Max. discharge current (8/20)	I_{max}	100kA
Impulse current (10/350)	I_{imp}	50kA
Specific energy	W/R	625kJ/Ω
Charge	Q	25As
Protection level	U_p	< 1.5kV
Follow current	I_{fi}	100A _{RMS}
Response time	t_A	< 100ns
Mechanical characteristics		
Temperature range		- 40°C + 80°C
Terminal screw torque		max. 3.0Nm
Terminal cross section		35mm ² (solid)/25mm ² (stranded)
Mounting		35mm DIN rail, EN 60715
Degree of protection		IP 20
Housing material		thermoplastic; extinguishing degree UL 94 V-0
Remote contacts (RC)		YES
Contact ratings		AC: 250V/0.5A; 125V/3A
Terminal cross section		max. 1.5mm ²
Remote terminal torque		0.25Nm

Ordering information

I_{imp}	50
Ordering code SAFETUBE B 50	54.0006