

PROTUBE B2N(R) 50

Class I, II Single-pole N-PE Surge Protective Device
 $I_{imp} = 50kA (10/350)$

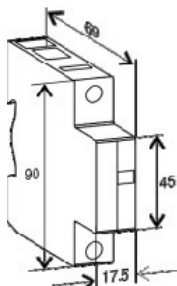


- ◆ Category IEC / EN / VDE: Class I, II / Type 1, 2 / B+C
- ◆ Location of use: Main distribution boards
- ◆ Connections: TT
- ◆ Protection modes: N - PE
- ◆ Protective element: High Energy GDT
- ◆ High surge discharge rating: $I_{imp} = 50kA$
- ◆ GDT max withstand capability 1 x 8/20: 150kA
- ◆ Housing: Compact design
- ◆ Complies with: IEC-61643-1

Technical data

Type	PROTUBE B2N(R) 50	
Electrical characteristics		
Max. continuous operating voltage (AC)	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		625kJ/Ω
Charge		25As
Protection level	U_p	< 1.5kV
Follow current	I_f	> 100A _{RMS}
Response time	t_A	100ns
Mechanical characteristics		
Temperature range		- 40°C ...+ 80°C
Terminal screw torque		max. 3.5Nm
Terminal cross section		35mm ² (solid)/25mm ² (stranded)
Mounting EN 60715		35mm top-hat rail
Degree of protection		IP 20
Housing material		Thermoplastic; extinguishing degree UL 94 V-0
Dimensions DIN 43880		1TE
Weight per unit		106g
Ordering code PROTUBE B2N 50		507 572
Remote contacts		YES
Contact ratings		AC: 250V/0.5A; 125V/3A
Terminal cross section		max. 1.5mm ²
Remote terminal torque		0.25Nm
Weight per unit		111g
Ordering code PROTUBE B2NR 50 - with remote contacts		507 573
Packaging dimensions (single unit)		108 x 74 x 24mm

Dimensions



Connection diagram

