

# PROTUBE BS

## Class I, II Single-pole N-PE Surge Protective Device $I_{imp} = 100kA, 50kA (10/350)$

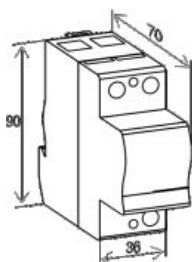


- ◆ Category IEC / EN / VDE: Class I, II / Type 1, 2 / B+C
- ◆ Location of use: Main distribution boards
- ◆ Connections: TT
- ◆ Protection modes: N - PE
- ◆ Protective element: High Energy GDT
- ◆ High surge discharge rating:  $I_{imp} = 100kA, 50kA$
- ◆ GDT max withstand capability 1 x 8/20:  $I_{max} = 150kA$
- ◆ Housing: Compact design
- ◆ Complies with: IEC-61643-1

### Technical data

Type	PROTUBE BS 100	PROTUBE BS 50
<b>Electrical characteristics</b>		
Max. continuous operating voltage (AC)	$U_c$	255V
Nominal discharge current (8/20)	$I_n$	100kA
Max. discharge current (8/20)	$I_{max}$	100kA
Impulse current (10/350)	$I_{imp}$	50kA
Specific energy		2.5MJ/Ω
Charge		625kJ/Ω
Protection level	$U_p$	< 1.75kV
Follow current	$I_f$	> 100ARMS
Response time	$t_A$	100ns
<b>Mechanical characteristics</b>		
Temperature range		- 40°C ... + 80°C
Terminal screw torque		max. 4.5Nm
Terminal cross section		35mm <sup>2</sup> (solid)/25mm <sup>2</sup> (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		2TE
Weight per unit		238g
Ordering code <b>PROTUBE BS</b>	<b>503 044</b>	<b>503 042</b>
Packaging dimensions (single unit)		109 x 76.5 x 41.5mm

### Dimensions



### Connection diagram

