

# PROBLOC BSG(R) 12.5

## Class I, II Single-pole Surge Protective Device $I_{imp} = 12.5\text{kA} (10/350)$

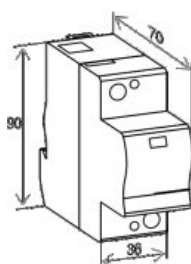


- ◆ Category IEC / EN / VDE: Class I, II / Type 1, 2 / B+C
- ◆ Location of use: Main distribution boards
- ◆ Connections: TN-S, TN-C, IT, TT
- ◆ Protection modes: L/N - PE
- ◆ Protective element: High Energy MOV & GDT
- ◆ High surge discharge rating:  $I_{imp} = 12.5\text{kA}$
- ◆ MOV max withstand capability 1 x 8/20:  $I_{max} = 100\text{kA}$
- ◆ Housing: Compact design
- ◆ Complies with: IEC-61643-1

### Technical data

Type	PROBLOC BSG(R) 12.5/xxx	
	150	320
<b>Electrical characteristics</b>		
Max. continuous operating voltage (AC/DC) $U_c$	150/200V	320/420V
Nominal discharge current (8/20) $I_n$		25kA
Max. discharge current (8/20) $I_{max}$		50kA
Impulse current (10/350) $I_{imp}$		12.5kA
Specific energy		39kJ/Ω
Charge		6.5As
Protection level $U_p$	< 1.3kV	< 1.6kV
Residual voltage at $I_n$ $U_{res}$	< 1.0kV	< 1.1kV
Residual voltage at $I_{imp}$ $U_{res}$	< 0.5kV	< 0.7kV
Follow current $I_f$		NO
Response time $t_A$		< 25ns
Thermal protection		YES
Back-up fuse (if mains > 250A)		250A gL
Short-circuit withstand current		25kA/50Hz
<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	143g	183g
Ordering code <b>PROBLOC BSG 12.5/xxx</b>	<b>513 022</b>	<b>513 024</b>
Remote contacts	YES	
Contact ratings	AC: 250V/0.5A; 125V/3A	
Terminal cross section	max. 1.5mm <sup>2</sup>	
Remote terminal torque	0.25Nm	
Weight per unit	148g	188g
Ordering code <b>PROBLOC BSGR 12.5/xxx - with remote contacts</b>	<b>513 023</b>	<b>513 025</b>
Packaging dimensions (single unit)	109 x 76.5 x 41,5mm	

### Dimensions



### Connection diagram

