

# PROBLOC BSG(R) 25

**Class I, II Single-pole Surge Protective Device**  
 $I_{imp} = 25kA$  per pole (10/350)

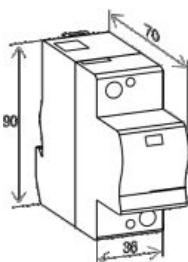


- ◆ **Category IEC / EN / VDE:** Class I, II / Type 1, 2 / B+C
- ◆ **Location of use:** Main distribution boards
- ◆ **Connections:** TN-S, TN-C, IT, TT
- ◆ **Protection modes:** L - N/PE
- ◆ **Protective element:** High Energy MOV & GDT
- ◆ **High surge discharge rating:**  $I_{imp} = 25kA$
- ◆ **MOV max withstand capability 1 x 8/20:**  $I_{max} = 150kA$
- ◆ **Housing:** Compact design
- ◆ **Complies with:** IEC-61643-1

## Technical data

Type	PROBLOC BSG(R) 25/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) $I_{max}$		100kA
Impulse current (10/350) $I_{imp}$		25kA
Specific energy	156kJ/Ω	
Charge	12.5As	
Protection level $U_p$	< 1.4kV	< 1.6kV
Residual voltage at $I_n$ $U_{res}$	< 0.9kV	< 1.1kV
Residual voltage at $I_{imp}$ $U_{res}$	< 0.6kV	< 0.8kV
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	213g	233g
Ordering code <b>PROBLOC BSG 25/xxx</b>	<b>513 026</b>	<b>513 028</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	218g	235g
Ordering code <b>PROBLOC BSGR 25/xxx - with remote contacts</b>	<b>513 027</b>	<b>513 029</b>
Packaging dimensions (single unit)	109 x 76.5 x 41.5mm	

## Dimensions



## Connection diagram

