

PROBLOC BSG(R) 50 (4+0)

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

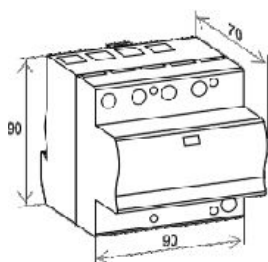


- ◆ Category IEC / EN / VDE: Class I, II / Type 1, 2 / B+C
- ◆ Location of use: Main distribution boards
- ◆ Connections: TN-S, IT, TT
- ◆ Protection modes: L - N/PE
- ◆ Protective element: High Energy MOV & GDT
- ◆ High surge discharge rating: I_{imp} (MOV/GDT) = 12.5/50kA
- ◆ MOV max withstand capability 1 x 8/20: $I_{max} = 100\text{kA}$ per pole
- ◆ Housing: Compact design
- ◆ Complies with: IEC-61643-1

Technical data

Type	PROBLOC BSG(R) 50/xxx (4+0)	
	150	320
Electrical characteristics		
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	
Impulse current (10/350) I_{imp} (L1+L2+L3+N-PE)	50kA	
Specific energy Charge	39kJ/Ω	
	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}	< 0.6kV	< 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	
Mechanical characteristics		
Temperature range	- 40°C + 80°C	
Terminal screw torque	max. 4.5Nm	
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	5TE	
Weight per unit	474g	540g
Ordering code PROBLOC BSG 50/xxx (4+0)	513 030	513 032
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	479g	545g
Ordering code PROBLOC BSGR 50/xxx (4+0) - with remote contacts	513 031	513 033
Packaging dimensions (single unit)	109 x 76.5 x 96mm	

Dimensions



Connection diagram

