

PROBLOC BSG(R) 100 (3+1)

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

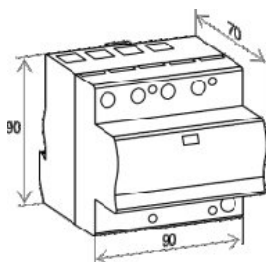


- ◆ **Category IEC / EN / VDE:** Class I, II / Type 1, 2 / B+C
- ◆ **Location of use:** Main distribution boards
- ◆ **Connections:** TT
- ◆ **Protection modes:** L - N , N - PE
- ◆ **Protective element:** High Energy MOV & GDT
- ◆ **High surge discharge rating:** I_{imp} (MOV/GDT) = 25/100kA
- ◆ **MOV max withstand capability 1 x 8/20:** 150kA per pole
- ◆ **Housing:** Compact design
- ◆ **Complies with:** IEC-61643-1

Technical data

Type	PROBLOC BSG(R) 100/xxx (3+1)		
	150	320	
Electrical characteristics			
Max. continuous operating voltage (AC/DC)	U_c	150/200V	320/420V
Nominal discharge current (8/20)	I_n (L-N/N-PE)		25/100kA
Max. discharge current (8/20)	I_{max} (L-N/N-PE)		100kA/100kA
Impulse current (10/350)	I_{imp} (L-N/N-PE)		25kA/100kA
Impulse current (10/350)	I_{imp} (L1+L2+L3+N-PE)		100kA
Specific energy	(L-N/N-PE)		156kJ/Ω/2.5MJ/Ω
Charge	(L-N/N-PE)		12.5As/50As
Protection level	U_p (L-N)	< 1.4kV	< 1.6kV
	U_p (N-PE)		< 1.75kV
Residual voltage at I_n	U_{res} (L-N)	< 0.9kV	< 1.1kV
Residual voltage at I_{imp}	U_{res} (L-N)	< 0.6kV	< 0.8kV
Follow current	I_f (N-PE)		> 100ARMS
Response time	t_A (L-N/N-PE)		< 25ns/100ns
Thermal protection	(L-N/N-PE)		YES/-
Back-up fuse (if mains > 250A)	(L-N/N-PE)		250A gL/-
Short-circuit withstand current	(L-N/N-PE)		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		646g	738g
Ordering code PROBLOC BSG 100/xxx (3+1)		513 011	513 005
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		650g	742g
Ordering code PROBLOC BSGR 100/xxx (3+1) - with remote contacts		513 012	513 006
Packaging dimensions (single unit)			109 x 76.5 x 96mm

Dimensions



Connection diagram

