

PROBLOC BSG(R) 100 (4+0)

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

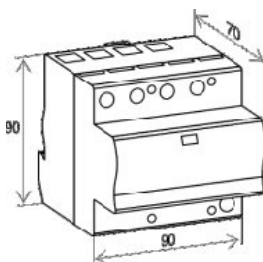


Category IEC / EN / VDE:	Class I, II / Type 1, 2 / B+C
Location of use:	Main distribution boards
Connections:	TN-S
Protection modes:	L - N/PE
Protective element:	High Energy MOV & GDT
High surge discharge rating:	$I_{imp} = 25kA$ per pole
MOV max withstand capability 1 x 8/20:	150kA per pole
Housing: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

Technical data

Type	PROBLOC BSG(R) 100/xxx (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 per pole	
Max. discharge current (8/20)	I _{max}	100kA per pole	
Impulse current (10/350)	I _{imp}	25kA per pole	
Impulse current (10/350)	I _{imp} (L1+L2+L3+N-PE)	100kA	
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	
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		656g	748g
Ordering code PROBLOC BSG 100/xxx (4+0)		513 034	513 036
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		660g	752g
Ordering code PROBLOC BSGR 100/xxx (4+0) - with remote contacts		513 035	513 037
Packaging dimensions (single unit)		109 x 76.5 x 96mm	

Dimensions



Connection diagram

