

PROBLOC BS(R) 100 (1+1)

Class I, II Multi-pole Surge Protective Device
 $I_{imp} = 50kA$ per pole (10/350)

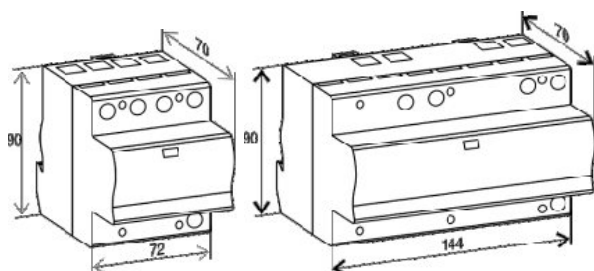


- ◆ **Category IEC / EN / VDE:** Class I, II / Type 1, 2 / B+C
- ◆ **Location of use:** Main distribution boards
- ◆ **Connections:** TT
- ◆ **Protection modes:** L - N , N - PE
- ◆ **Protective element:** High Energy MOV & GDT
- ◆ **High surge discharge rating:** I_{imp} (MOV/GDT)= 50/100kA
- ◆ **MOV max withstand capability 1 x 8/20:** 150kA per pole
- ◆ **Housing:** Compact design
- ◆ **Complies with:** IEC-61643-1

Technical data

Type	PROBLOC BS(R) 100/xxx (1+1)					
	150	275	320	385	440	
Electrical characteristics						
Max. continuous operating voltage (AC/DC)	U_c	150/200V	275/350V	320/420V	385/500V	440/580V
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)			50kA/100kA		
Impulse current (10/350)	I_{imp} (L+N-PE)			100kA		
Specific energy	(L-N/N-PE)			625kJ/Ω/2.5MJ/Ω		
Charge	(L-N/N-PE)			25As/50As		
Protection level	U_p (L-N)	< 0.7kV	< 1.4kV	< 1.4kV	< 1.8kV	< 2.1kV
	U_p (N-PE)			< 1.75kV		
Residual voltage at I_{imp}	U_{res} (L-N)	< 0.7kV	< 1.2kV	< 1.2kV	< 1.5kV	< 1.8kV
Follow current	I_f (N-PE)			> 100A _{RMS}		
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	4TE	4TE	4TE	8TE	8TE	
Weight per unit	430g	540g	540g	654g	698g	
Ordering code PROBLOC BS 100/xxx (1+1)	504 512	504 513	504 514	504 396	504 397	
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	435g	545g	545g	559g	703g	
Ordering code PROBLOC BSR 100/xxx (1+1) - with remote contacts	504 515	504 516	504 517	504 398	504 399	
Packaging dimensions (single unit)		109 x 76.5 x 78mm		109 x 76.5 x 148mm		

Dimensions



Connection diagram

