

PROBLOC BS(R) 50 (1+1)

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

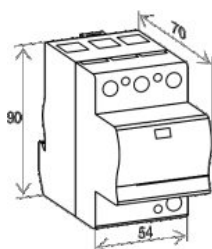


- ◆ **Category IEC / EN / VDE:** Class I, II / Type 1, 2 / B+C
- ◆ **Location of use:** Main distribution boards
- ◆ **Connections:** TT
- ◆ **Protection modes:** L - N , N - PE
- ◆ **Protective element:** High Energy MOV & GDT
- ◆ **High surge discharge rating:** I_{imp} (MOV/GDT)= 25/50kA
- ◆ **MOV max withstand capability 1 x 8/20:** 150kA per pole
- ◆ **Housing:** Compact design
- ◆ **Complies with:** IEC-61643-1

Technical data

Type	PROBLOC BS(R) 50/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)			25/50kA		
Max. discharge current (8/20) I_{max} (L-N/N-PE)			100kA/100kA		
Impulse current (10/350) I_{imp} (L-N/N-PE)			25kA/50kA		
Impulse current (10/350) I_{imp} (L+N-PE)			50kA		
Specific energy (L-N/N-PE)			156kJ/Ω/625MJ/Ω		
Charge (L-N/N-PE)			12.5As/25As		
Protection level U_p (L-N)	< 0.8kV	< 1.4kV	< 1.4kV	< 1.8kV	< 2.1kV
	U_p (N-PE)		< 1.5kV		
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	3TE				
Weight per unit	308g	364g	364g	386g	408g
Ordering code PROBLOC BS 50/xxx (1+1)	504 454	504 455	504 456	504 457	504 458
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	313g	369g	369g	391g	414g
Ordering code PROBLOC BSR 50/xxx (1+1) - with remote contacts	504 459	504 460	504 461	504 462	504 463
Packaging dimensions (single unit)	109 x 76.5 x 60mm				

Dimensions



Connection diagram

