

PROBLOC BS(R) 100 (3+1)

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

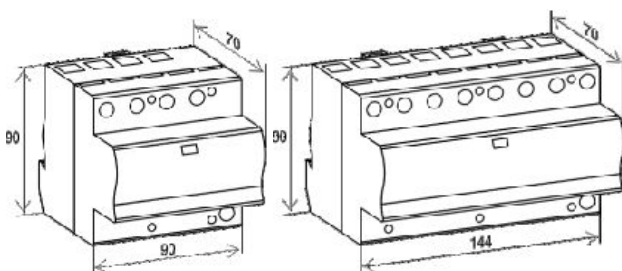


- ◆ **Category IEC / EN / VDE:** Class I, II, III / Type 1, 2, 3 / B+C+D
- ◆ **Location of use:** Main distribution boards
- ◆ **Connections:** TT
- ◆ **Protection modes:** L - N , N - PE
- ◆ **Protective element:** High Energy MOV & GDT
- ◆ **High surge discharge rating:** I_{imp} (MOV/GDT)= 25/100kA
- ◆ **MOV max withstand capability 1 x 8/20:** I_{max} = 150kA per pole
- ◆ **Housing:** Compact design
- ◆ **Complies with:** IEC-61643-1

Technical data

Type	PROBLOC BS(R) 100/xxx (3+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		
Combination wave (1.2/50, 8/20)	U_{oc}/I_{sc}			10kV/5kA		
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)	< 0.9kV	< 1.4kV	< 1.4kV	< 1.9kV	< 2.2kV
	U_p (N-PE)			< 1.75kV		
Residual voltage at I_{imp}	U_{res} (L-N)	< 0.8kV	< 1.3kV	< 1.3kV	< 1.6kV	< 1.9kV
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	5TE	5TE	8TE	8TE	
Weight per unit	568g	728g	728g	834g	900g	
Ordering code PROBLOC BS 100/xxx (3+1)	504 530	504 531	504 532	504 472	504 473	
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	573g	733g	733g	839g	905g	
Ordering code PROBLOC BSR 100/xxx (3+1) - with remote contacts	504 533	504 534	504 535	504 474	504 475	
Packaging dimensions (single unit)		109 x 76.5 x 96mm		109 x 76.5 x 148mm		

Dimensions



Connection diagram

