

PROBLOC BS(R) 100 (4+0)

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

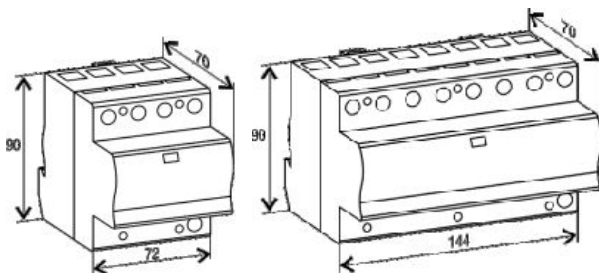


- ◆ Category IEC / EN / VDE: Class I, II, III / Type 1, 2, 3 / B+C+D
- ◆ Location of use: Main distribution boards
- ◆ Connections: TN - S
- ◆ Protection modes: L/N - PE
- ◆ Protective element: High Energy MOV
- ◆ High surge discharge rating: $I_{imp} = 25kA$ per pole
- ◆ MOV max withstand capability 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 (4+0)				
	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	25kA per pole				
Max. discharge current (8/20) I_{max}	100kA per pole				
Combination wave (1.2/50, 8/20) U_{oc}/I_{sc}	10kV/5kA				
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 per pole				
Charge	12.5As per pole				
Protection level U_p	< 0.8kV	< 1.4kV	< 1.4kV	< 1.9kV	< 2.2kV
Residual voltage at I_{imp} U_{res}	< 0.8kV	< 1.3kV	< 1.3kV	< 1.6kV	< 1.9kV
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	4TE	4TE	4TE	8TE	8TE
Weight per unit	532g	756g	756g	912g	1000g
Ordering code PROBLOC BS 100/xxx (4+0)	504 524	504 525	504 526	504 468	504 469
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	537g	761g	761g	917g	1005g
Ordering code PROBLOC BSR 100/xxx (4+0) - with remote contacts	504 527	504 528	504 529	504 470	504 471
Packaging dimensions (single unit)	109 x 76.5 x 78mm			109 x 76.5 x 148mm	

Dimensions



Connection diagram

