

PROBLOC BS(R) 100 (4+0)

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

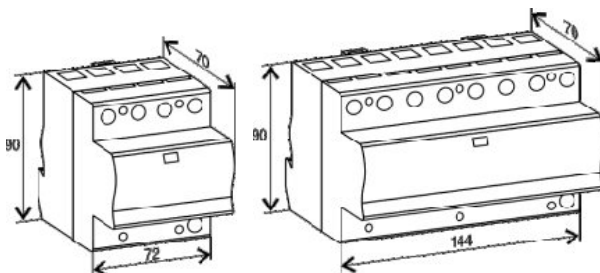


Category IEC / EN / VDE:	Class I, II, III / Type 1, 2, 3 / B+C+D
Location of use:	Main distribution boards
Connections:	TN - S
Protection modes:	L/N - PE
Protective element:	High Energy MOV
High surge discharge rating:	$I_{imp} = 25kA$ per pole
MOV max withstand capability 1 x 8/20:	150kA per pole
Housing:	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

