

# PROBLOC BS(R) 75 (3+0)

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

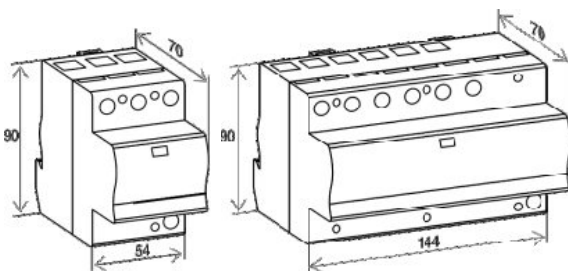


- ◆ Category IEC / EN / VDE: Class I, II, III / Type 1, 2, 3 / B+C+D
- ◆ Location of use: Main distribution boards
- ◆ Connections: TN - C
- ◆ Protection modes: L - PEN
- ◆ Protective element: High Energy MOV
- ◆ High surge discharge rating:  $I_{imp} = 25kA$  per pole
- ◆ MOV max withstand capability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

## Technical data

Type	PROBLOC BS(R) 75/xxx (3+0)				
	150	275	320	385	440
<b>Electrical characteristics</b>					
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-PEN)	75kA				
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				
<b>Mechanical characteristics</b>					
Temperature range	- 40°C ....+ 80°C				
Terminal screw torque	max. 4.5Nm				
Terminal cross section	35mm <sup>2</sup> (solid)/25mm <sup>2</sup> (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	3TE	3TE	8TE	8TE
Weight per unit	400g	570g	570g	726g	792g
Ordering code <b>PROBLOC BS 75/xxx (3+0)</b>	<b>504 518</b>	<b>504 519</b>	<b>504 520</b>	<b>504 464</b>	<b>504 465</b>
Remote contacts	YES				
Contact ratings	AC: 250V/0.5A; 125V/3A				
Terminal cross section	max. 1.5mm <sup>2</sup>				
Remote terminal torque	0.25Nm				
Weight per unit	405g	575g	575g	731g	797g
Ordering code <b>PROBLOC BSR 75/xxx (3+0) - with remote contacts</b>	<b>504 521</b>	<b>504 522</b>	<b>504 523</b>	<b>504 466</b>	<b>504 467</b>
Packaging dimensions (single unit)	109 x 76.5 x 60mm			109 x 76.5 x 148mm	

## Dimensions



## Connection diagram

