

PROBLOC BS(R) (3+0)



- **Category IEC / EN / VDE:** Class I, II / Type 1, 2 / B, C
- **Location of use:** Main distribution boards
- **Network systems:** TN-C, IT
- **Protection modes:** L - PEN
- **Protective element:** High energy MOV
- **Surge discharge rating:** $I_{imp} = 12.5kA$
- **MOV max. withstand capability 1 x 8/20:** 100kA per pole
- **Housing:** Compact design
- **Complies with:** IEC/EN 61643-11



Technical data

Type	PROBLOC BS(R) 37.5/xxx (3+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	20kA per pole				
Max. discharge current (8/20)	I_{max}	50kA per pole				
Impulse current (10/350)	I_{imp}	12.5kA per pole				
Specific energy	W/R	39kJ/Ω				
Charge	Q	6.25As				
Protection level	U_p	< 0.9kV	< 1.4kV	< 1.4kV	< 1.8kV	< 2.1kV
Residual voltage at I_{imp}	U_{res}	< 0.7kV	< 1.2kV	< 1.2kV	< 1.5kV	< 1.8kV
Residual voltage at 5kA (8/20)	U_{res}	< 0.6kV	< 1.1kV	< 1.1kV	< 1.2kV	< 1.3kV
Follow current	I_{fi}	NO				
Response time	t_A	< 25ns				
Thermal protection		YES				
Back-up fuse (if mains > 250A)		250A gL				
Short-circuit withstand current	I_{SCCR}	25kA/50Hz				
Mechanical characteristics						
Temperature range		- 40°C+ 80°C				
Terminal screw torque		max. 3.0Nm				
Terminal cross section		35mm ² (solid)/25mm ² (stranded)				
Mounting		35mm DIN rail, EN 60715				
Degree of protection		IP 20				
Housing material		Thermoplastic; extinguishing degree UL 94 V-0				
Indication of disconnecter operation		red flag				
Remote contacts (RC)		YES				
Contact ratings		AC: 250V/0.5A; 125V/3A				
Terminal cross section		max. 1.5mm ²				
Remote terminal torque		0.25Nm				

Ordering information

U_c	150	275	320	385	440
Ordering code PROBLOC BS 37.5/xxx (3+0)	504.049	504.051	504.053	504.267	504.055
Ordering code PROBLOC BSR 37.5/xxx (3+0) (with remote contacts)	504.057	504.059	504.061	504.269	504.063