

PROBLOC B(R) 12.5kA per pole



- **Category IEC / EN:** Class I, II / Type 1, 2
- **Location of use:** Main distribution boards
- **Network system:** TN-S, TN-C, IT
- **Protection modes:** L/N - PE, L- PEN
- **Protective element:** High energy MOV
- **Surge discharge rating:** $I_{imp} = 12.5kA$
- **Housing:** Compact design
- **Complies with:** IEC 61643-11:2011, EN 61643-11:2012;



Technical data

Type	150	275	320	385	440
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● **Electrical characteristics**

Max. continuous operating voltage (AC)	U_c	150	275	320	385	440
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	< 0.7kV	< 1.3kV	< 1.3kV	< 1.7kV	< 2.0kV
Residual voltage at 5kA (8/20)	U_{res}	< 0.5kV	< 1.0kV	< 1.0kV	< 1.1kV	< 1.2kV
Follow current	I_{fi}	NO				
Response time	t_A	< 25ns				
Thermal protection		YES				
Back-up fuse (if mains > 250A)		250A gL/gG				
Short-circuit current rating	I_{scCR}	25kA/50Hz				
TOV withstand 5s	U_T	174V		335V		580V
TOV disconnection 120min	U_T	228V		438V		765V
Number of ports		1				

● **Mechanical characteristics**

Temperature range	T_a	- 40°C+ 70°C				
Permissible humidity	RH	5%...95%				
Terminal screw torque	M_{max}	max. 3.0Nm				
Conductor cross section		35mm ² (solid)/25mm ² (stranded)				
AWG conductor cross section		2 AWG (solid) / 3 AWG (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				

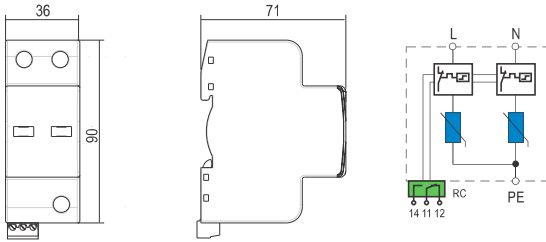
Ordering information

U_c	150	275	320	385	440
Ordering code PROBLOC B 25/xxx (2+0)	56.0013	56.0023	56.0033	56.0043	56.0053
Ordering code PROBLOC BR 25/xxx (2+0) (with remote contacts)	56.0014	56.0024	56.0034	56.0044	56.0054
Ordering code PROBLOC B 37.5/xxx (3+0)	56.0015	56.0025	56.0035	56.0045	56.0055
Ordering code PROBLOC BR 37.5/xxx (3+0) (with remote contacts)	56.0016	56.0026	56.0036	56.0046	56.0056
Ordering code PROBLOC B 50/xxx (4+0)	56.0017	56.0027	56.0037	56.0047	56.0057
Ordering code PROBLOC BR 50/xxx (4+0) (with remote contacts)	56.0018	56.0028	56.0038	56.0048	56.0058

Dimensions, Internal configuration, Weight and Packaging

PROBLOC B(R) 25/xxx (2+0)

Dimensions

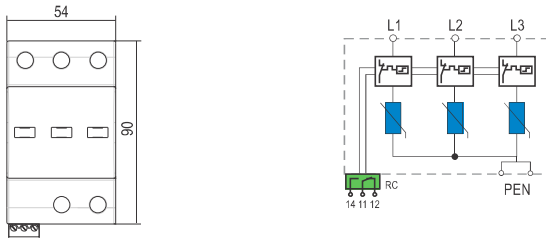


PROBLOC B 25/xxx (2+0)	150	275	320	385	440
Dimensions DIN 43880	2TE				
Weight per unit	185g	225g	225g	285g	375g
PROBLOC BR 25/xxx (2+0)	150	275	320	385	440
Dimensions DIN 43880	2TE				
Weight per unit	190g	230g	230g	290g	380g
Packaging dimensions (single unit)	109 x 76.5 x 41.5mm				
Min. packaging quantity	7 pcs.				

PROBLOC B(R) 37.5/xxx (3+0)

Dimensions

Internal configuration

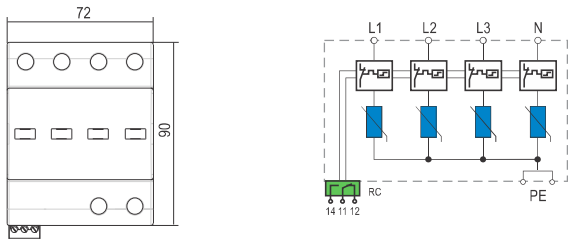


PROBLOC B 37.5/xxx (3+0)	150	275	320	385	440
Dimensions DIN 43880	3TE				
Weight per unit	290g	330g	330g	390g	480g
PROBLOC BR 37.5/xxx (3+0)	150	275	320	385	440
Dimensions DIN 43880	3TE				
Weight per unit	300g	330g	330g	400g	490g
Packaging dimensions (single unit)	109 x 76.5 x 60mm				
Min. packaging quantity	5 pcs.				

PROBLOC B(R) 50/xxx (4+0)

Dimensions

Internal configuration



PROBLOC B 50/xxx (4+0)	150	275	320	385	440
Dimensions DIN 43880	4TE				
Weight per unit	550g	590g	590g	650g	740g
PROBLOC BR 50/xxx (4+0)	150	275	320	385	440
Dimensions DIN 43880	4TE				
Weight per unit	560g	560g	600g	660g	750g
Packaging dimensions (single unit)	109 x 76.5 x 78mm				
Min. packaging quantity	3 pcs.				