

Compact Multi-pole SPD
ProBloc B(R) 75 (3+0)
 Class I • Class II • Type 1 • Type 2



Location of Use: Main Distribution Boards
 Network Systems: TN-C
 Mode of Protection: L - PEN
 Surge Ratings: $I_{imp} = 25 \text{ kA (10/350}\mu\text{s)}$
 $I_n = 25 \text{ kA (8/20}\mu\text{s)}$
 IEC/EN Category: Class I, II / Type 1, 2
 Protective Elements: High Energy MOV
 Housing: Compact Design
 Compliance: IEC 61643-11:2011
 EN 61643-11:2012

Technical Data

ProBloc B(R) 75/xxx (3+0)

150 275 320 440

Electrical

Nominal AC Voltage (50/60 Hz)	U_o	120V	230V	230V	230V
Maximum Continuous Operating Voltage (AC)	U_c	150V	275V	320V	440V
Nominal Discharge Current (8/20 μs)	I_n			25 kA	
Maximum Discharge Current (8/20 μs)	I_{max}			100 kA	
Impulse Discharge Current (10/350 μs)	I_{imp}			25 kA	
Total Discharge Current (10/350 μs)	I_{total}			75 kA	
Specific Energy	W/R			156 kJ/ Ω	
Charge	Q			12.5 As	
Voltage Protection Level	U_p	< 1.0kV	< 1.5kV	< 1.5kV	< 1.9kV
Response Time	t_A			< 25 ns	
Back-Up Fuse (if mains > 250 A)				250 A gG	
Short-Circuit Current Rating (AC)	I_{SCCR}			50 kA	
TOV withstand 5s	U_T	174V	335V	335V	585V
Number of Ports				1	

Mechanical & Environmental

Temperature Range	T_a	-40 °F to +185 °F [-40 °C to +85 °C]			
Permissible Humidity	RH	5%...95%			
Terminal Screw Torque	M_{max}	26.5 lbf-in [3.0 Nm]			
Conductor Cross Section (max)		2 AWG (Solid, Stranded) / 4 AWG (Flexible) 35mm ² (Solid, Stranded) / 25mm ² (Flexible)			
Mounting		35 mm DIN Rail, EN 60715			
Degree of Protection		IP 20			
Housing Material		Thermoplastic: Extinguishing Degree UL 94 V-0			
Thermal Protection		Yes			
Fault Indication		Red Flag			
Remote Contacts (RC)		Optional			
RC Switching Capacity		AC: 250V/0.5 A; 125V/3A			
RC Terminal Cross Section (max)		1.5mm ² (Solid) / 16 AWG (Solid)			
RC Terminal Screw Torque	M_{max}	2.2 lbf-in [0.25 Nm]			

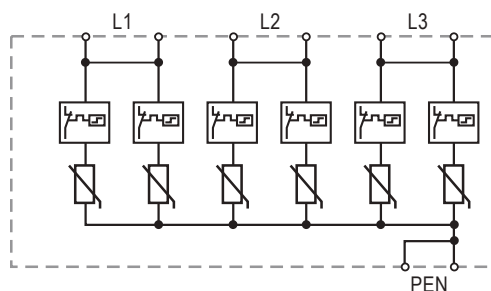
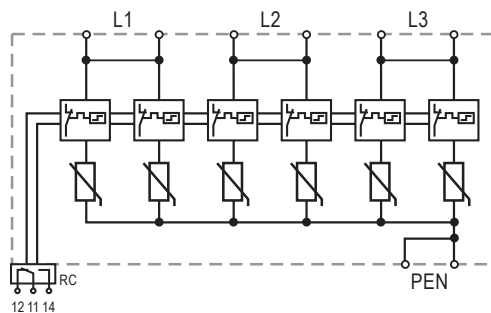
Order Information

Order Code	150	275	320	440
ProBloc B 75/xxx (3+0)	56.0582	56.0584	56.0586	56.0590
ProBloc BR 75/xxx (3+0) (with remote contacts)	56.0583	56.0585	56.0587	56.0591

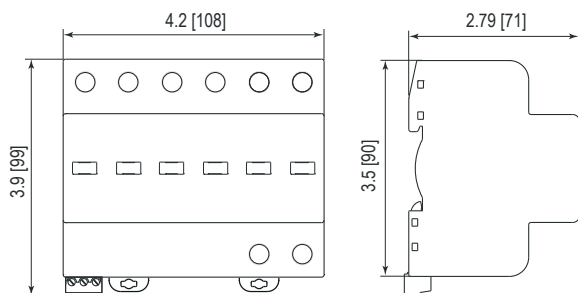
Internal Configuration

Legend

- L Line
- N Neutral
- PEN Combined Protective Earth and Neutral
- RC Remote Contacts Optional



Dimensions & Packaging [mm]



Dimensions & Packaging					
ProBloc B 75/xxx (3+0)					
Single Unit Weight	pounds	150	275	320	440
	grams	690	840 g	840	1005
Single Unit DIN 43880 Dimension		6 TE			
Packaging Dimensions (H×W×L)		4.2 × 3 × 4.4" [109 × 77 × 114 mm]			
Minimum Order Quantity		3 Units			
ProBloc BR 75/xxx (3+0)					
Single Unit Weight	pounds	150	275	320	440
	grams	705	855	855	1020
Single Unit DIN 43880 Dimension		6 TE			
Packaging Dimensions (H×W×L)		4.2 × 3 × 4.4" [109 × 77 × 114 mm]			
Minimum Order Quantity		3 Units			

inches
[mm]

Information contained in this document is subject to change at any time without notice.

