

Lightning and Overvoltage Protection

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
 IEC/EN Category: Class I+II / Type 1+2
 Housing: Compact Design
 Compliance: IEC 61643-11:2011
 EN 61643-11:2012

Technical Data

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

		150	275*	320*
IEC Electrical				
Nominal AC Voltage (50/60 Hz)	U_o	120V	230V	230V
Maximum Continuous Operating Voltage (AC)	U_c	150V	275V	320V
Nominal Discharge Current (8/20 μ s)	I_n		25 kA	
Maximum Discharge Current (8/20 μ s)	I_{max}		100 kA	
Impulse Discharge Current (10/350 μ s)	I_{imp}		25 kA	
Total Discharge Current (10/350 μ s)	I_{total}		75 kA	
Specific Energy	W/R		156 kJ/ Ω	
Charge	Q		12.5 As	
Voltage Protection Level	U_p	< 1.0 kV	< 1.5 kV	< 1.5 kV
Response Time	t_A		< 25 ns	
Overcurrent Protection (max)			250 A gG	
Short-Circuit Current Rating (AC)	I_{SCCR}		50 kA	
TOV Withstand 5s	U_T	174V	334V	334V
TOV Safe Fail 120min	U_T	229V	438V	438V
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 (built-in)		
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/3 A		
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

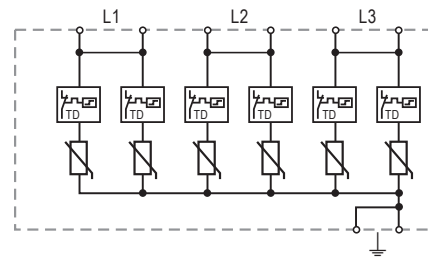
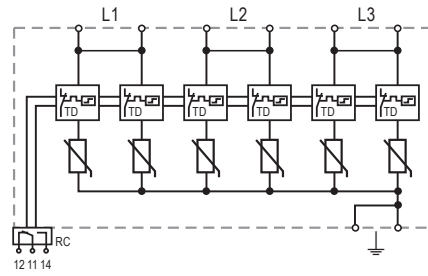
Order Code	150	275*	320*
ProBloc B 75/xxx (3+0)	56.0582	56.0584	56.0586
ProBloc BR 75/xxx (3+0) (with remote contacts)	56.0583	56.0585	56.0587

*OVE Certified

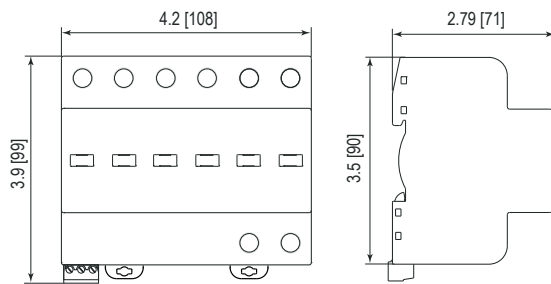
Internal Configuration

Legend

L	Line Conductor Terminal
⏏	PEN Conductor Terminal
RC	Remote Contacts Terminal (Optional)
TD	Thermal Disconnect



Complete Unit



Single Unit Dimensions & Packaging

ProBloc B 75/xxx (3+0)		150	275*	320*
Weight	pounds	1.521	1.851	1.851
	grams	690	840 g	840
DIN 43880 Dimension		6 TE / 4.25" [108]		
Packaging Dimensions (H x W x L)		3.1 x 4.4 x 11.7" [79 x 112 x 298 mm]		
Standard Order Quantity		2 Units		
ProBloc BR 75/xxx (3+0)		150	275*	320*
Weight	pounds	1.554	1.884	1.884
	grams	705	855	855
DIN 43880 Dimension		6 TE / 4.25" [108]		
Packaging Dimensions (H x W x L)		3.1 x 4.4 x 11.7" [79 x 112 x 298 mm]		
Standard Order Quantity		2 Units		

inches
[mm]

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

