

Lightning and Overvoltage Protection  
**ProBloc B(R) 37.5 (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) 37.5/xxx (3+0)                |             | 150      | 275*            | 320*     |
|--|-------------|----------|-----------------|----------|
| <b>IEC Electrical</b>                      |             |          |                 |          |
| 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 $\mu$ s)   | $I_n$       |          | 20 kA           |          |
| Maximum Discharge Current (8/20 $\mu$ s)   | $I_{max}$   |          | 50 kA           |          |
| Impulse Discharge Current (10/350 $\mu$ s) | $I_{imp}$   |          | 12.5 kA         |          |
| Total Discharge Current (10/350 $\mu$ s)   | $I_{total}$ |          | 37.5 kA         |          |
| Specific Energy                            | W/R         |          | 39 kJ/ $\Omega$ |          |
| Charge                                     | Q           |          | 6.25 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)<br>35mm <sup>2</sup> (Solid, Stranded) / 25mm <sup>2</sup> (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/0.5A; 125V/3A   |  |  |
| RC Terminal Cross Section (max) |           | 1.5mm <sup>2</sup> (Solid) / 16 AWG (Solid)  |  |  |
| RC Terminal Screw Torque        | $M_{max}$ | 2.2 lbf-in [0.25 Nm]   |  |  |

**Order Information**

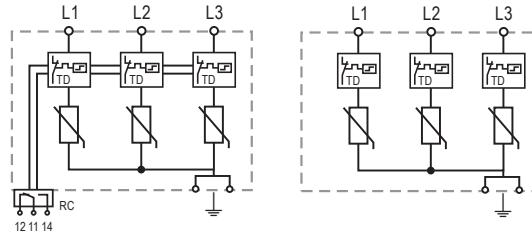
| Order Code                                       | 150     | 275*    | 320*    |
|--|---------|---------|---------|
| ProBloc B 37.5/xxx (3+0)                         | 56.0522 | 56.0524 | 56.0526 |
| ProBloc BR 37.5/xxx (3+0) (with remote contacts) | 56.0523 | 56.0525 | 56.0527 |

\*OVE Certified

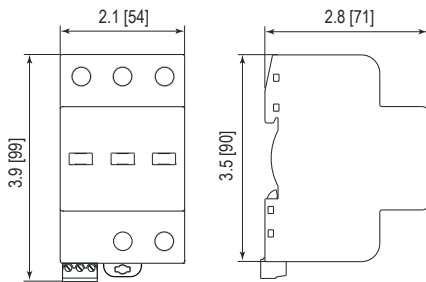
Internal Configuration

Legend

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



Complete Unit



Dimensions & Packaging

|                                  |        | 150                                   | 275* | 320* |
|----------------------------------|--------|---------------------------------------|------|------|
| <b>ProBloc B 37.5/xxx (3+0)</b>  |        |                                       |      |      |
| Weight                           | pounds | .639                                  | .727 | .727 |
|                                  | grams  | 290                                   | 330  | 330  |
| DIN 43880 Dimension              |        | 3 TE / 2.13" [54]                     |      |      |
| Packaging Dimensions (H x W x L) |        | 3.1 x 4.4 x 11.7" [79 x 112 x 298 mm] |      |      |
| Standard Order Quantity          |        | 5 Units                               |      |      |
| <b>ProBloc BR 37.5/xxx (3+0)</b> |        |                                       |      |      |
| Weight                           | pounds | .661                                  | .727 | .727 |
|                                  | grams  | 300                                   | 330  | 330  |
| DIN 43880 Dimension              |        | 3 TE / 2.13" [54]                     |      |      |
| Packaging Dimensions (H x W x L) |        | 3.1 x 4.4 x 11.7" [79 x 112 x 298 mm] |      |      |
| Standard Order Quantity          |        | 5 Units                               |      |      |

inches  
[mm]

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

