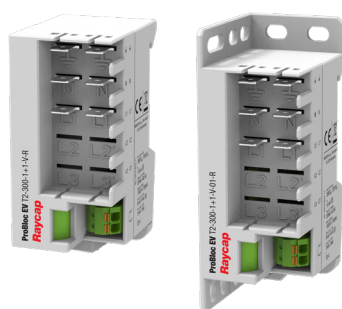


# Compact Multi-Pole SPD for EV Systems

## ProBloc EV T2 1+1 (01) V

Class II • Class III • Type 2 • Type 3



Location of Use: EV Chargers  
 Mode of Protection: L-N, N-PE  
 IEC/EN Category: Class II+III / Type 2+3  
 Housing: Compact Design  
 Compliance: IEC 61643-11:2011  
 EN 61643-11:2012+A11:2018

### Technical Data

ProBloc EV T2-xxx-1+1-V(-01-R)

300

#### IEC Electrical

|                                                                                |            |            |                  |
|--------------------------------------------------------------------------------|------------|------------|------------------|
| Nominal AC Voltage (50/60 Hz)                                                  |            | $U_0$      | 240V             |
| Maximum Continuous Operating Voltage (AC)                                      | (L-N/N-PE) | $U_c$      | 300V/255V        |
| Nominal Discharge Current (8/20 $\mu$ s)                                       | (L-N/N-PE) | $I_n$      | 10 kA/10 kA      |
| Maximum Discharge Current (8/20 $\mu$ s)                                       | (L-N/N-PE) | $I_{max}$  | 20 kA/40 kA      |
| Voltage Protection Level                                                       | (L-N/N-PE) | $U_p$      | 1500V/1500V      |
| Rated Load Current                                                             |            | $I_L$      | 32 A             |
| Open Circuit Voltage of Combination Wave Generator (1.2/50 $\mu$ s) (L-N/N-PE) |            | $U_{oc}$   | 6 kV/6 kV        |
| Short Circuit Current of Combination Wave Generator                            | (L-N/N-PE) | $I_{cw}$   | 3 kA/3 kA        |
| Follow Current Interrupt Rating                                                | (N-PE)     |            | 100 A            |
| Response time                                                                  | (L-N/N-PE) | $t_A$      | <25 ns / <100 ns |
| Overvoltage Category                                                           |            |            | III              |
| Maximum Backup fuse, if required                                               |            |            | 63 A gG          |
| Short-Circuit Current Rating                                                   |            | $I_{SCCR}$ | 10 kA            |
| TOV Withstand 5 s                                                              | (L-N)      | $U_T$      | 337V             |
| TOV Safe Fail 120 min                                                          | (L-N)      | $U_T$      | 442V             |
| TOV 200 ms                                                                     | (N-PE)     | $U_T$      | 1200V/300 A      |
| Number of ports                                                                |            |            | 1                |

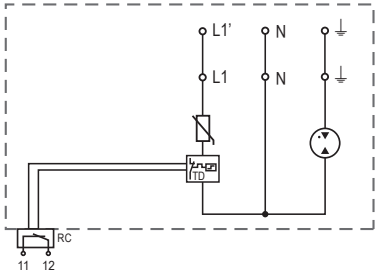
#### Mechanical & Environmental

|                                  |       |                                                        |
|----------------------------------|-------|--------------------------------------------------------|
| Temperature Range                | $T_a$ | -40 °F to +185 °F [-40 °C to +85 °C]                   |
| Permissible Humidity             | RH    | 5%...95%                                               |
| Altitude (max)                   |       | 13123 ft [4000 m]                                      |
| Conductor Cross Section          |       | 10 AWG / 6 mm <sup>2</sup> (Flexible)                  |
| Mounting                         |       | 35 mm DIN Rail, EN 60715 / Baseplate Screw-in Mounting |
| Degree of Protection             |       | IP 20 (built-in)                                       |
| Thermal Protection               |       | Yes                                                    |
| Fault Indication                 |       | Red Flag                                               |
| Remote Contacts (RC)             |       | Optional                                               |
| RC Switching Capacity            |       | AC: 250V/1A, 125V/1A; DC: 48V/0.5A, 24V/0.5A, 12V/0.5A |
| RC Conductor Cross Section (max) |       | 16 AWG (Solid) / 1.5mm <sup>2</sup> (Solid)            |
| Overvoltage Category             |       | III                                                    |

Internal Configuration

Legend

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



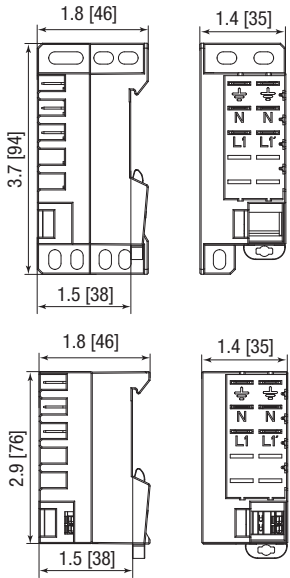
ProBloc EV T2-xxx-1+1-V(-01-R)

Order Information

| Order Code                                                          | 300     |
|---------------------------------------------------------------------|---------|
| ProBloc EV T2-xxx-1+1-V                                             | 515 756 |
| ProBloc EV T2-xxx-1+1-V-R (with remote contacts)                    | 515 757 |
| ProBloc EV T2-xxx-1+1-V-01 (with flush mount)                       | 515 758 |
| ProBloc EV T2-xxx-1+1-V-01-R (with flush mount and remote contacts) | 515 759 |

Dimensions & Packaging

inches [mm]



Single Unit

| ProBloc EV T2-xxx-1+1-V      | 300                                 |
|------------------------------|-------------------------------------|
| Weight                       | pounds [grams] .175 [79.2]          |
| ProBloc EV T2-xxx-1+1-V-R    | 300                                 |
| Weight                       | pounds [grams] .180 [81.7]          |
| ProBloc EV T2-xxx-1+1-V-01   | 300                                 |
| Weight                       | pounds [grams] .184 [83.6]          |
| ProBloc EV T2-xxx-1+1-V-01-R | 300                                 |
| Weight                       | pounds [grams] .188 [85.1]          |
| Packaging Dimensions (HxWxL) | 1.8 x 2.1 x 3.9" [46 x 54 x 100 mm] |
| Standard Order Quantity      | 12 Units                            |