

# Compact Multi-Pole SPD for EV Systems

## ProBloc EV T2 3+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+II / Type 2+3  
 Housing: Compact Design  
 Compliance: IEC 61643-11:2011  
 EN 61643-11:2012+A11:2018

### Technical Data

ProBloc EV T2-xxx-3+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)		$I_n$	10kA
Maximum Discharge Current (8/20 $\mu$ s)	(L-N/N-PE)	$I_{max}$	20kA/40kA
Voltage Protection Level	(L-N/N-PE)	$U_p$	1500V/1500V
Rated Load Current		$I_L$	32A
Open Circuit Voltage of Combination Wave Generator (1.2/50 $\mu$ s)(L-N/N-PE)		$U_{oc}$	6kV/6kV
Short Circuit Current of Combination Wave Generator	(L-N/N-PE)	$I_{cw}$	3kA/3kA
Follow Current Interrupt Rating	(N-PE)		100A
Response time	(L-N/N-PE)	$t_A$	<25ns / <100ns
Overcurrent Protection (max)			63A gG
Short-Circuit Current Rating		$I_{SCCR}$	10kA
TOV Withstand 5s	(L-N)	$U_T$	337V
TOV Safe Fail 120min	(L-N)	$U_T$	442V
TOV 200ms	(N-PE)	$U_T$	1200V/300A
Number of ports			1

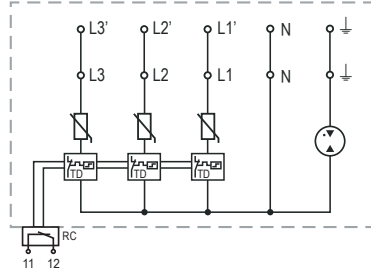
#### Mechanical & Environmental

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)

## Internal Configuration

### Legend

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



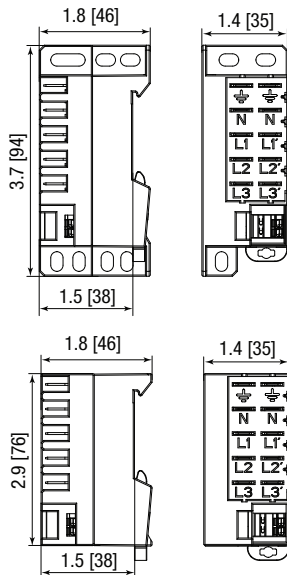
### ProBloc EV T2-xxx-3+1-V(-01-R)

#### Order Information

Order Code	300
ProBloc EV T2-xxx-3+1-V	515 760
ProBloc EV T2-xxx-3+1-V-R (with remote contacts)	515 761
ProBloc EV T2-xxx-3+1-V-01 (with flush mount)	515 762
ProBloc EV T2-xxx-3+1-V-01-R (with flush mount and remote contacts)	515 763

## Dimensions & Packaging

inches [mm]



#### Single Unit

<b>ProBloc EV T2-xxx-3+1-V</b>	<b>300</b>
Weight	pounds [grams] .234 [106.1]
<b>ProBloc EV T2-xxx-3+1-V-R</b>	<b>300</b>
Weight	pounds [grams] .239 [108.6]
<b>ProBloc EV T2-xxx-3+1-V-01</b>	<b>300</b>
Weight	pounds [grams] .244 [110.5]
<b>ProBloc EV T2-xxx-3+1-V-01-R</b>	<b>300</b>
Weight	pounds [grams] .247 [112]
Packaging Dimensions (HxWxL)	1.8 x 2.1 x 3.9" [46 x 54 x 100 mm]
Standard Order Quantity	12 Units