

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 μ s)	(L-N/N-PE)	I_n	10 kA/10 kA
Maximum Discharge Current (8/20 μ 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	32A
Open Circuit Voltage of Combination Wave Generator (1.2/50 μ 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
Overcurrent Protection (max)			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

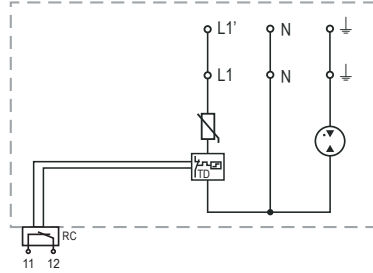
Temperature Range	T_a	-40 °F to +185 °F [-40 °C to +85 °C]
Permissible Humidity	RH	5%...95%
Altitude (max)		13123 ft [4000 m]
Conductor Cross Section		10 AWG / 6 mm ² (Flexible)
Mounting		35 mm DIN Rail, EN 60715 / Baseplate Screw-in Mounting
Degree of Protection		IP 20 (built-in)
Thermal Protection		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 ² (Solid)



Internal Configuration

Legend

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



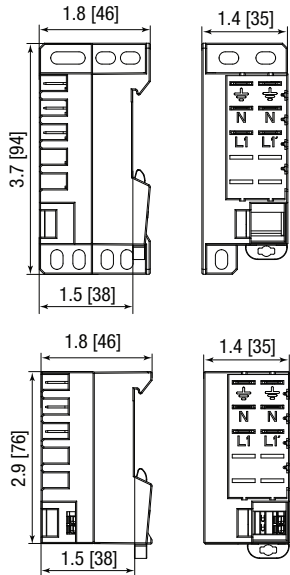
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Order Information

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