

DATASHEET

Combined Lightning Current and Surge Arrester
ProTec 60 RX T2F 3+0
Class II • Class III • Type 2 • Type 3



Location of Use: Main Distribution Boards,
Standard and isolated 60 mm
busbar systems

Network Systems: TN-C
Mode of Protection: L-PEN

IEC/EN: Class II+III/Type 2+3

Housing: Pluggable design

Compliance: IEC 61643-11:2025
EN IEC 61643-11:2025



Technical Data

ProTec 60 RX T2F-xxx-3+0-(R)

300

IEC Electrical

Nominal AC Voltage (50/60Hz)	U_o / U_n	240 V
Maximum Continuous Operating Voltage (AC)	U_c	300 V
Nominal Discharge Current (8/20 μ s)	I_n	20 kA
Maximum Discharge Current (8/20 μ s)	I_{max}	40 kA
Voltage Protection Level	U_p	1500 V
Open Circuit Voltage of Combination Wave Generator (1.2/50 μ s)	U_{oc}	6 kV
Short Circuit Current of Combination Wave Generator (8/20 μ s)	I_{cw}	3 kA
Response Time	t_A	< 25 ns
Overvoltage Category		IV
Overcurrent Protection (max)		Not Required
Short-Circuit Current Rating (AC)	I_{SCCR}	50 kA
TOV Withstand 5s	U_T	337 V
TOV SafeFail 120min	U_T	442 V
Number of Ports		1

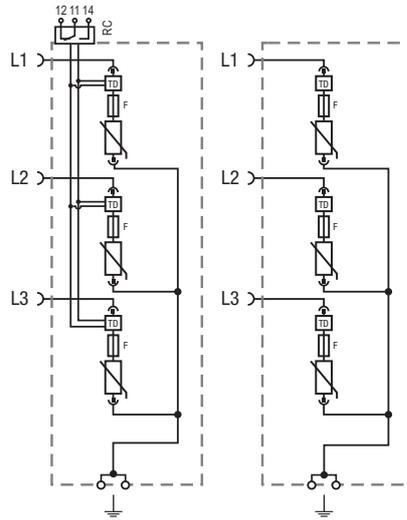
Mechanical & Environmental

Operating Temperature Range	T_a	-40 °F to +185 °F [-40 °C to +85 °C]
Permissible Operating Humidity	RH	5%...95%
Pollution Degree		3
Altitude (max)		13123 ft [4000m]
Terminal Screw Torque	M_{max}	PZ2/40 lbf-in [4.5Nm]
Conductor Cross Section (max)		2 AWG (Solid, Stranded)/4 AWG (Flexible) 35 mm ² (Solid, Stranded)/25 mm ² (Flexible)
Mounting		Standard and isolated 60 mm busbar systems Width: 12, 15, 20, 25, 30 mm Thickness: 5 mm, 10 mm
Degree Of Protection		IP 20*
Housing Material		Thermoplastic: Extinguishing Degree UL 94 V-0
Operating State/Fault Indication		Green Flag/Not Green Flag
Remote Contacts (RC)		Optional
RC Switching Capacity		AC: 250V/ 1 A, 125V/1 A; DC: 48V/0.5A, 24V/0.5A, 12V/0.5A
RC Conductor Cross Section (max)		16 AWG (Solid)/ 1.5 mm ² (Solid)
Overvoltage Category		III

*IP 40 (in combination with cover)

Legend

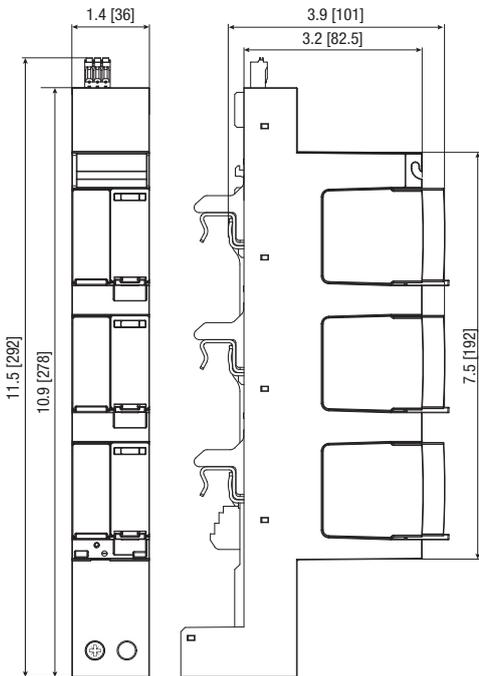
- L Line Busbar Terminal
- ⏏ PEN Conductor Terminal
- RC Remote Contacts Terminal (Optional)
- TD Thermal Disconnect
- F Integrated Surge Adapted Backup Fuse



Order Information

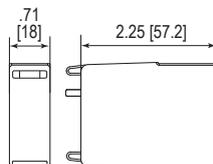
Order Code	300
ProTec 60 RX T2F-xxx-3+0	515 B05
ProTec 60 RX T2F-xxx-3+0-R (with remote contacts)	515 B06
ProTec 60 RX T2F-xxx-P (plug)	59.D106
ProAcc 60 RX Cover plate (optional)	515 B21

Dimensions & Packaging



Complete Unit	
ProTec 60 RX T2F-xxx-3+0	300
Weight pounds [grams]	1.343 [609]
ProTec 60 RX T2F-xxx-3+0-R	
Weight pounds [grams]	1.387 [629]
Packaging Dimensions (HxWxL)	15.5 x 14.3 x 9.9" [395 x 363 x 253 mm]
Standard Order Quantity	20 Units

Spare Plug



Single Unit	
ProTec 60 RX T2F-xxx-P	300
Weight pounds [grams]	.152 [69]
DIN 43880 Dimension	1 TE / .71" [18 mm]
Packaging Dimensions (HxWxL)	3.2 x 4.5 x 12" [83 x 116 x 305 mm]
Standard Order Quantity	24 Units