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

CE RoHS COMPLIANT

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 µs)	I_n	20 kA
Maximum Discharge Current (8/20 µs)	I_{max}	40 kA
Voltage Protection Level	U_p	1500 V
Open Circuit Voltage of Combination Wave Generator (1.2/50 µs)	U_{oc}	6 kV
Short Circuit Current of Combination Wave Generator (8/20 µs)	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 [4000 m]
Terminal Screw Torque	M_{max}	PZ2/40 lbf·in [4.5 Nm]
Conductor Cross Section (max)		2 AWG (Solid, Stranded)/4 AWG (Flexible)
		35 mm² (Solid, Stranded)/25 mm² (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/1A, 125V/1A; DC: 48V/0.5A, 24V/0.5A, 12V/0.5A
RC Conductor Cross Section (max)		16 AWG (Solid)/1.5 mm² (Solid)
Overvoltage Category		III

**IP 40 (in combination with cover)*

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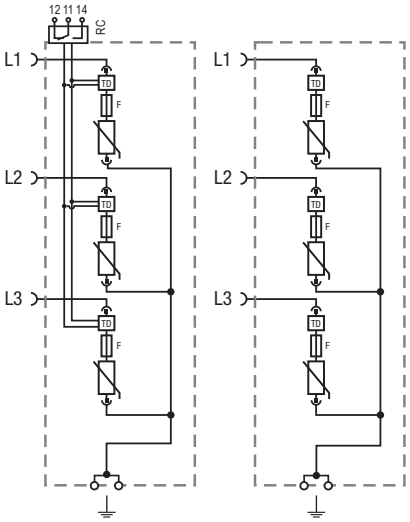


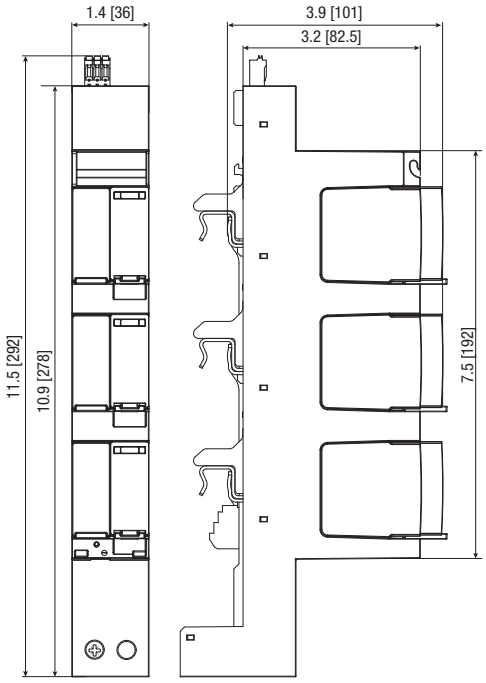
Legend

L	*Line Busbar Terminal*
⏚	*PEN Conductor Terminal*
RC	*Remote Contacts Terminal (Optional)*
TD	*Thermal Disconnector*
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

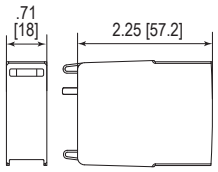
Dimensions & Packaging

inches [mm]



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 (H x W x L)		15.5 × 14.3 × 9.9" [395 × 363 × 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 (H x W x L)		3.2 × 4.5 × 12" [83 × 116 × 305 mm]
Standard Order Quantity		24 Units

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