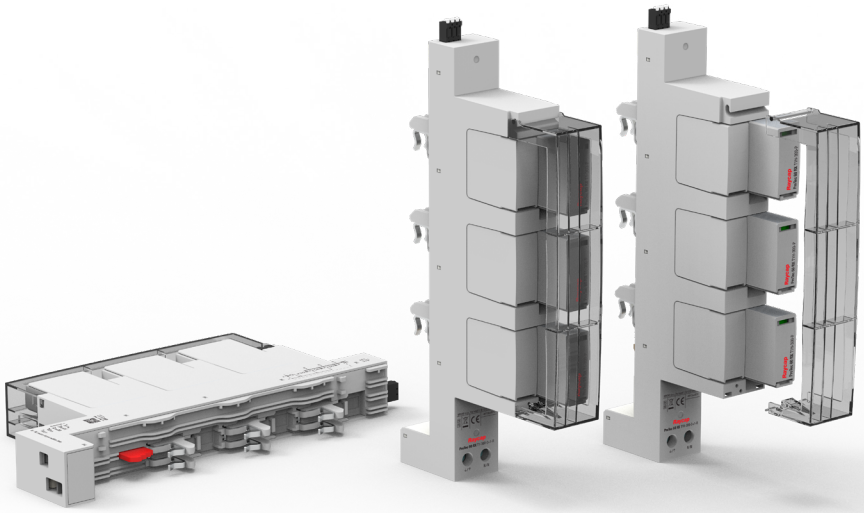
Combined Lightning Current and Surge Arrester

ProTec 60 RX T1H, T1, T2 and T2F Series

Special features:

- For standard and isolated 60 mm busbar systems
- Supports common busbar sizes from 12 to 30 mm, 5 and 10 mm thickness
- SPD Plugs available as Type 1, Type 2 or Type 2 with integrated fuse
- Visual and remote signalization of fuse and SPD status (T2F)
- Shorter connections improve overall voltage protection level
- Pluggable design enables fast & simplified installation
- Reduced installation time and space requirements



IEC 61643-11:2025	EN IEC 61643-11:2025
✓	✓

The Raycap ProTec 60 mm Busbar Series reduces installation time and space requirements and enables fast and simplified installation. Shorter connections improve the overall voltage protection level, providing optimal electrical protection to the installation.

Products feature visual status monitoring of the SPD and the integrated fuse (T2F versions), and remote signalization is available via remote contact. Modules can be easily replaced without removing the product from the busbar. An optional cover plate that can be sealed for preventing unauthorized manipulation. The ProTec 60 RX is designed for use in TN-C, TT and TN-S network systems.

RoHS COMPLIANT CE

DATASHEET

Combined Lightning Current and Surge Arrester

ProTec 60 RX T1H 3+0

Class I • Class II • Type 1 • Type 2



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 I+II/Type 1+2
Housing: Pluggable design
Compliance: IEC 61643-11:2025
EN IEC 61643-11:2025

CE RoHS COMPLIANT

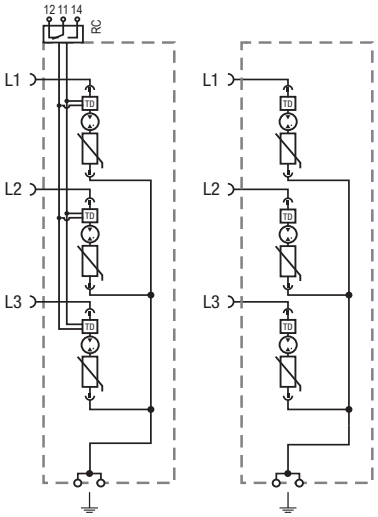
Technical Data

ProTec 60 RX T1H-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}	65 kA
Impulse Discharge Current (10/350 µs)	I_{imp}	12.5 kA
Specific Energy	W/R	39 kJ/Ω
Charge	Q	6.25 As
Voltage Protection Level	U_p	1500 V
Response Time	t_A	< 25ns
Overvoltage Category		IV
Overcurrent Protection (max)		315 A gG
Short-Circuit Current Rating (AC)	I_{SCCR}	25 kA
TOV Withstand 5s	U_T	442 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: 250 V/ 1 A, 125 V/1 A; DC: 48 V/0.5 A, 24 V/0.5 A, 12 V/0.5 A
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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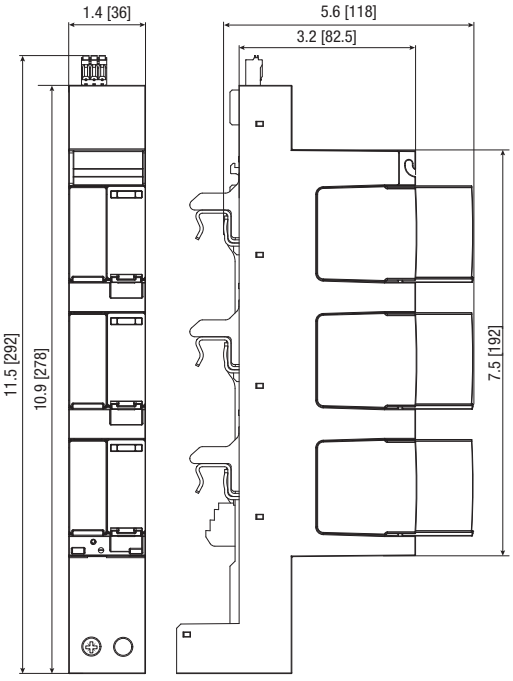
Legend

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

Order Information	
Order Code	**300**
ProTec 60 RX T1H-xxx-3+0	515 B07
ProTec 60 RX T1H-xxx-3+0-R (with remote contacts)	515 B08
ProTec 60 RX T1H-xxx-P (plug)	59.D101
ProAcc 60 RX Cover plate (optional)	515 B21

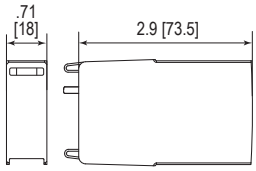
Dimensions & Packaging

inches [mm]



Complete Unit		
ProTec 60 RX T1H-xxx-3+0		**300**
Weight	pounds [grams]	1.556 [706]
ProTec 60 RX T1H-xxx-3+0-R		
Weight	pounds [grams]	1.601 [726]
Packaging Dimensions (H x W x L)		15.5 × 14.3 × 9.9" [395 × 363 × 253 mm]
Standard Order Quantity		10 Units

Spare Plug



Single Unit		
ProTec 60 RX T1H-xxx-P		**300**
Weight	pounds [grams]	.223 [101]
DIN 43880 Dimension		1 TE / .71" [18 mm]
Packaging Dimensions (H x W x L)		4.3 × 4.5 × 13.8" [109 × 115 × 352 mm]
Standard Order Quantity		28 Units

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DATASHEET

Combined Lightning Current and Surge Arrester

ProTec 60 RX T1H 3+1

Class I • Class II • Type 1 • Type 2



Location of Use: Main Distribution Boards, Standard and isolated 60 mm busbar systems
Network Systems: TT, TN-S
Mode of Protection: L-N, N-PE, L-PE (combined)
IEC/EN: Class I+II/Type 1+2
Housing: Pluggable design
Compliance: IEC 61643-11:2025
EN IEC 61643-11:2025

CE RoHS COMPLIANT

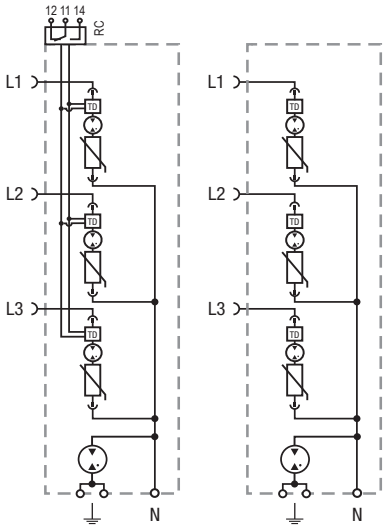
Technical Data

ProTec 60 RX T1H-xxx-3+1(-R)			300
IEC Electrical			
Nominal AC Voltage (50/60Hz)		U_o/U_n	240 V
Maximum Continuous Operating Voltage (AC)	(L-N)/(N-PE)	U_c	300 V/305 V
Nominal Discharge Current (8/20 µs)	(L-N)/(N-PE)	I_n	20 kA/80 kA
Maximum Discharge Current (8/20 µs)	(L-N)/(N-PE)	I_{max}	65 kA/100 kA
Impulse Discharge Current (10/350 µs)	(L-N)/(N-PE)	I_{imp}	12.5 kA/50 kA
Specific Energy	(L-N)/(N-PE)	W/R	39 kJ/Ω/625 kJ/Ω
Charge	(L-N)/(N-PE)	Q	6.25 As/25As
Voltage Protection Level	(L-N)/(N-PE)/(L-PE)	U_p	1500 V/1500 V/2100 V
Follow Current Interrupt Rating	(N-PE)	I_{fi}	100A
Response Time	(L-N)/(N-PE)	t_A	< 25ns/< 100ns
Overvoltage Category			IV
Overcurrent Protection (max)			315 A gG
Short-Circuit Current Rating (AC)		I_{SCCR}	25 kA
TOV Withstand 5s	(L-N)	U_T	442 V
TOV SafeFail 120min	(L-N)	U_T	442 V
TOV Withstand 200ms	(N-PE)	U_T	1200 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: 250 V/1 A, 125 V/1 A; DC: 48 V/0.5 A, 24 V/0.5 A, 12 V/0.5 A
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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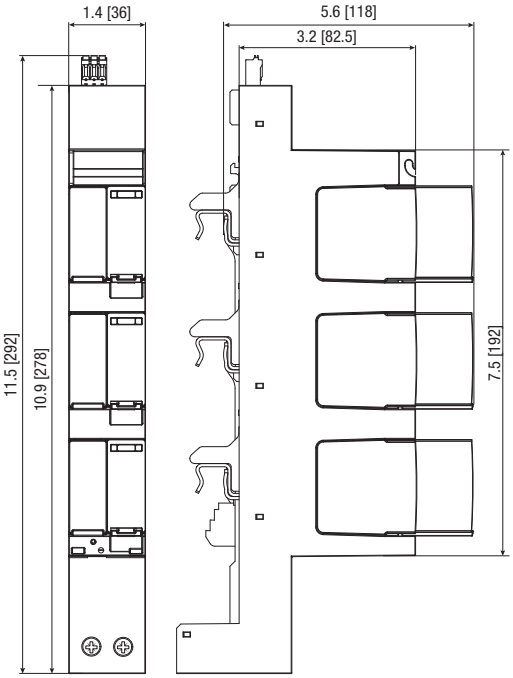
Legend

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

Order Information	
Order Code	**300**
ProTec 60 RX T1H-xxx-3+1	515 B15
ProTec 60 RX T1H-xxx-3+1-R (with remote contacts)	515 B16
ProTec 60 RX T1H-xxx-P (plug)	59.D101
ProAcc 60 RX Cover plate (optional)	515 B21

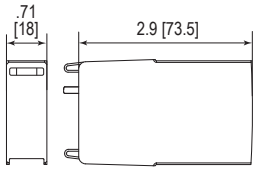
Dimensions & Packaging

inches [mm]



Complete Unit		
ProTec 60 RX T1H-xxx-3+1		**300**
Weight	pounds [grams]	1.579 [716]
ProTec 60 RX T1H-xxx-3+1-R		
Weight	pounds [grams]	1.645 [746]
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 T1H-xxx-P		**300**
Weight	pounds [grams]	.223 [101]
DIN 43880 Dimension		1 TE/.71" [18]
Packaging Dimensions (H x W x L)		4.3 × 4.5 × 13.8" [109 × 115 × 352 mm]
Standard Order Quantity		28 Units

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DATASHEET

Combined Lightning Current and Surge Arrester

ProTec 60 RX T1 3+0

Class I • Class II • Type 1 • Type 2



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 I+II/Type 1+2
Housing: Pluggable design
Compliance: IEC 61643-11:2025
EN IEC 61643-11:2025

CE RoHS COMPLIANT

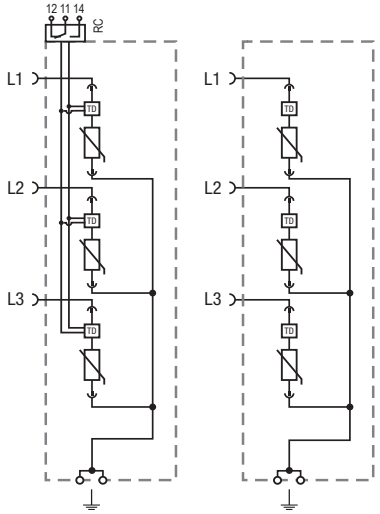
Technical Data

ProTec 60 RX T1-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}	50 kA
Impulse Discharge Current (10/350 µs)	I_{imp}	12.5 kA
Specific Energy	W/R	39 kJ/Ω
Charge	Q	6.25 As
Voltage Protection Level	U_p	1500 V
Response Time	t_A	< 25ns
Overvoltage Category		IV
Overcurrent Protection (max)		315 A gG
Short-Circuit Current Rating (AC)	I_{SCCR}	25 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: 250 V/ 1 A, 125 V/1 A; DC: 48 V/0.5 A, 24 V/0.5 A, 12 V/0.5 A
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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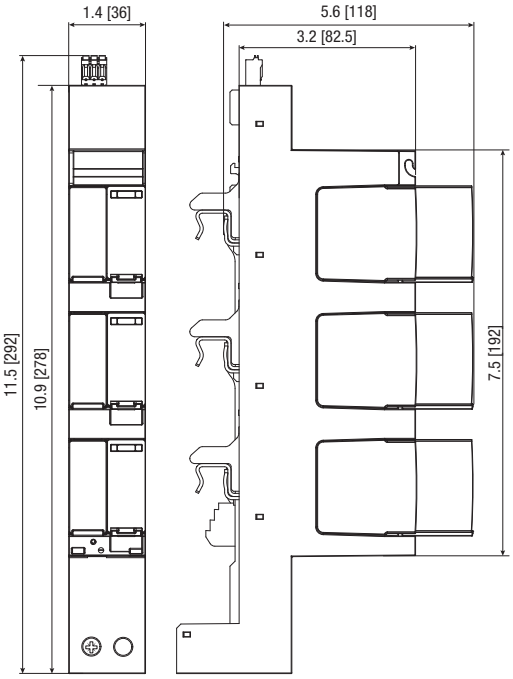
Legend

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

Order Information	
Order Code	**300**
ProTec 60 RX T1-xxx-3+0	515 B03
ProTec 60 RX T1-xxx-3+0-R (with remote contacts)	515 B04
ProTec 60 RX T1-xxx-P (plug)	59.D100
ProAcc 60 RX Cover plate (optional)	515 B21

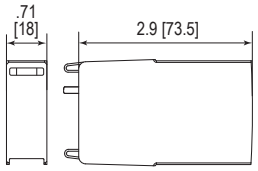
Dimensions & Packaging

inches [mm]



Complete Unit		
ProTec 60 RX T1-xxx-3+0		**300**
Weight	pounds [grams]	1.612 [731]
ProTec 60 RX T1-xxx-3+0-R		
Weight	pounds [grams]	1.620 [735]
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 T1-xxx-P		**300**
Weight	pounds [grams]	.229 [104]
DIN 43880 Dimension		1 TE / .71" [18 mm]
Packaging Dimensions (H x W x L)		4.3 × 4.5 × 13.8" [109 × 115 × 352 mm]
Standard Order Quantity		28 Units

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DATASHEET

Combined Lightning Current and Surge Arrester

ProTec 60 RX T1 3+1

Class I • Class II • Type 1 • Type 2



Location of Use: Main Distribution Boards, Standard and isolated 60 mm busbar systems
Network Systems: TT, TN-S
Mode of Protection: L-N, N-PE, L-PE (combined)
IEC/EN: Class I+II/Type 1+2
Housing: Pluggable design
Compliance: IEC 61643-11:2025
EN IEC 61643-11:2025

CE RoHS COMPLIANT

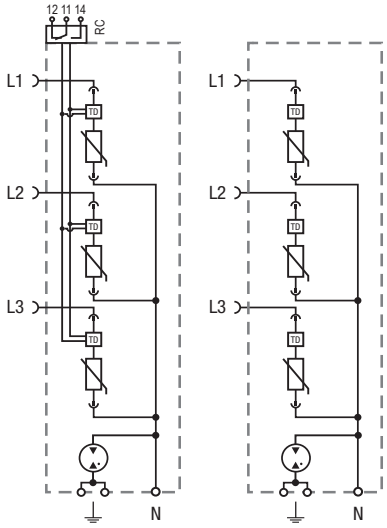
Technical Data

ProTec 60 RX T1-xxx-3+1(-R)			300
IEC Electrical			
Nominal AC Voltage (50/60Hz)		U_o/U_n	240 V
Maximum Continuous Operating Voltage (AC)	(L-N)/(N-PE)	U_c	300 V/305 V
Nominal Discharge Current (8/20 µs)	(L-N)/(N-PE)	I_n	20 kA/80 kA
Maximum Discharge Current (8/20 µs)	(L-N)/(N-PE)	I_{max}	50 kA/100 kA
Impulse Discharge Current (10/350 µs)	(L-N)/(N-PE)	I_{imp}	12.5 kA/50 kA
Specific Energy	(L-N)/(N-PE)	W/R	39 kJ/Ω/625 kJ/Ω
Charge	(L-N)/(N-PE)	Q	6.25 As/25As
Voltage Protection Level	(L-N)/(N-PE)/(L-PE)	U_p	1500 V/1500 V/1800 V
Follow Current Interrupt Rating	(N-PE)	I_{fi}	100A
Response Time	(L-N)/(N-PE)	t_A	< 25ns/< 100ns
Overvoltage Category			IV
Overcurrent Protection (max)			315 A gG
Short-Circuit Current Rating (AC)		I_{SCCR}	25 kA
TOV Withstand 5s	(L-N)	U_T	337 V
TOV SafeFail 120min	(L-N)	U_T	442 V
TOV Withstand 200ms	(N-PE)	U_T	1200 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: 250 V/1 A, 125 V/1 A; DC: 48 V/0.5 A, 24 V/0.5 A, 12 V/0.5 A
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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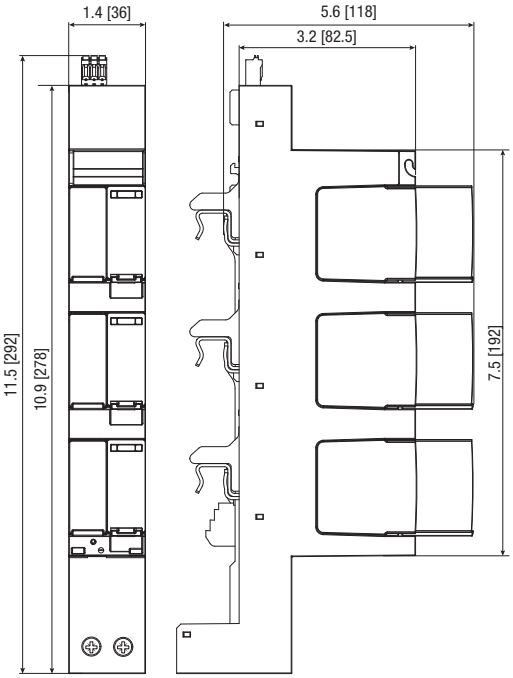
Legend

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

Order Information	
Order Code	**300**
ProTec 60 RX T1-xxx-3+1	515 B11
ProTec 60 RX T1-xxx-3+1-R (with remote contacts)	515 B12
ProTec 60 RX T1-xxx-P (plug)	59.D100
ProAcc 60 RX Cover plate (optional)	515 B21

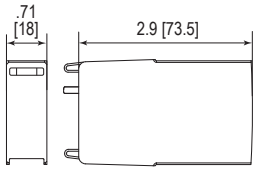
Dimensions & Packaging

inches [mm]



Complete Unit		
ProTec 60 RX T1-xxx-3+1		**300**
Weight	pounds [grams]	1.620 [735]
ProTec 60 RX T1-xxx-3+1-R		
Weight	pounds [grams]	1.664 [755]
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 T1-xxx-P		**300**
Weight	pounds [grams]	.229 [104]
DIN 43880 Dimension		1 TE / .71" [18 mm]
Packaging Dimensions (H x W x L)		4.3 × 4.5 × 13.8" [109 × 115 × 352 mm]
Standard Order Quantity		28 Units

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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

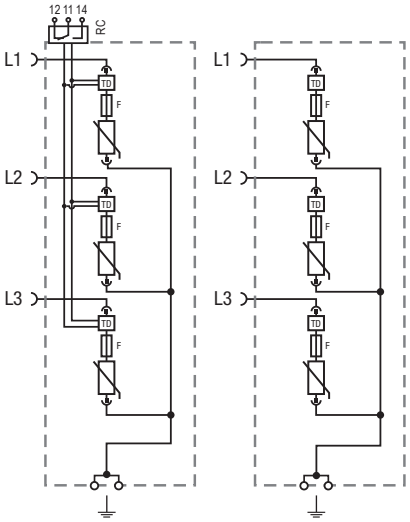
Technical Data

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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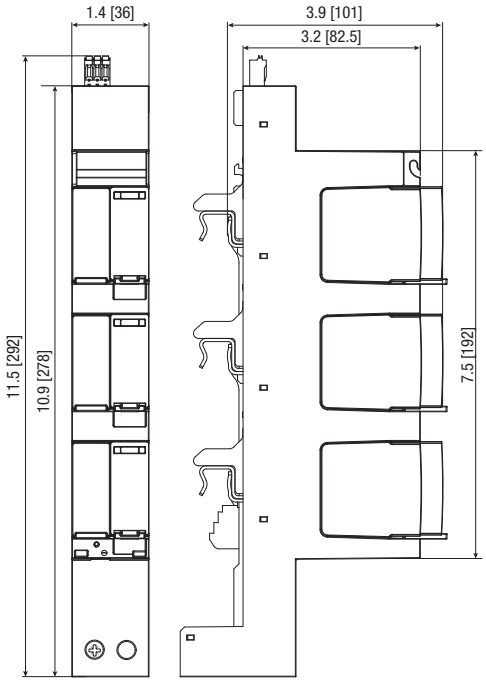
Legend

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

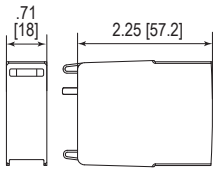
Dimensions & Packaging

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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DATASHEET

Combined Lightning Current and Surge Arrester

ProTec 60 RX T2F 3+1

Class II • Class III • Type 2 • Type 3



Location of Use: Main Distribution Boards, Standard and isolated 60 mm busbar systems
Network Systems: TT, TN-S
Mode of Protection: L-N, N-PE, L-PE (combined)
IEC/EN: Class II+III/Type 2+3
Housing: Pluggable design
Compliance: IEC 61643-11:2025
EN IEC 61643-11:2025

CE RoHS COMPLIANT

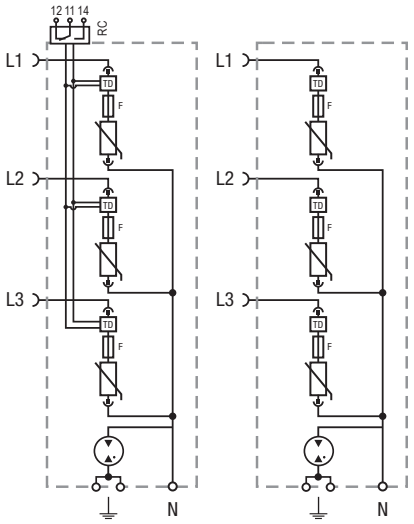
Technical Data

ProTec 60 RX T2F-xxx-3+1(-R)			300
IEC Electrical			
Nominal AC Voltage (50/60Hz)		U_o/U_n	240 V
Maximum Continuous Operating Voltage (AC)	(L-N)/(N-PE)	U_c	300 V/305 V
Nominal Discharge Current (8/20 µs)	(L-N)/(N-PE)	I_n	20 kA/40 kA
Maximum Discharge Current (8/20 µs)	(L-N)/(N-PE)	I_{max}	40 kA/65 kA
Voltage Protection Level	(L-N)/(N-PE)/(L-PE)	U_p	1500 V/1500 V/1800 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
Follow Current Interrupt Rating	(N-PE)	I_{fi}	100 A
Response Time	(L-N)/(N-PE)	t_A	< 25 ns/< 100 ns
Overvoltage Category			IV
Overcurrent Protection (max)			Not Required
Short-Circuit Current Rating (AC)		I_{SCCR}	50 kA
TOV Withstand 5s	(L-N)	U_T	337 V
TOV SafeFail 120min	(L-N)	U_T	442 V
TOV Withstand 200ms	(N-PE)	U_T	1200 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: 250 V/1 A, 125 V/1 A; DC: 48 V/0.5 A, 24 V/0.5 A, 12 V/0.5 A
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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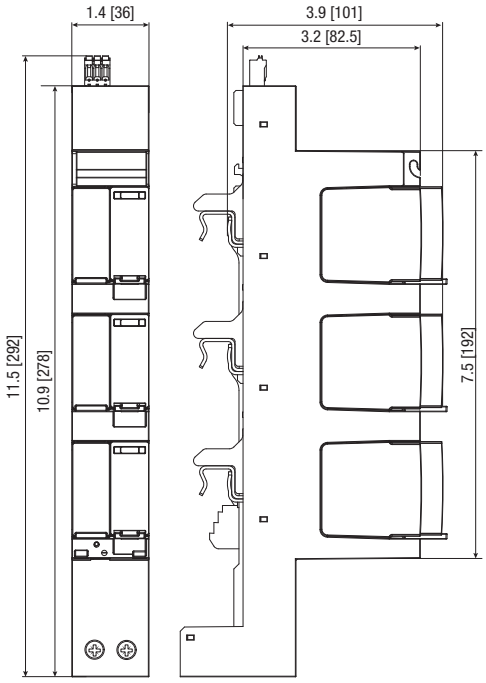
Legend

L	*Line Busbar Terminal*
N	*Neutral Conductor Terminal*
⏚	*PE 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+1	515 B13
ProTec 60 RX T2F-xxx-3+1-R (with remote contacts)	515 B14
ProTec 60 RX T2F-xxx-P (plug)	59.D106
ProAcc 60 RX Cover plate (optional)	515 B21

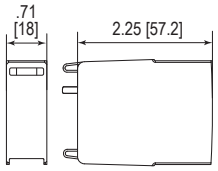
Dimensions & Packaging

inches [mm]



Complete Unit		
ProTec 60 RX T2F-xxx-3+1		**300**
Weight	pounds [grams]	1.365 [619]
ProTec 60 RX T2F-xxx-3+1-R		
Weight	pounds [grams]	1.409 [639]
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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DATASHEET

Combined Lightning Current and Surge Arrester

ProTec 60 RX T2 3+0

Class II• Type 2



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/Type 2
Housing: Pluggable design
Compliance: IEC 61643-11:2025
EN IEC 61643-11:2025

CE RoHS COMPLIANT

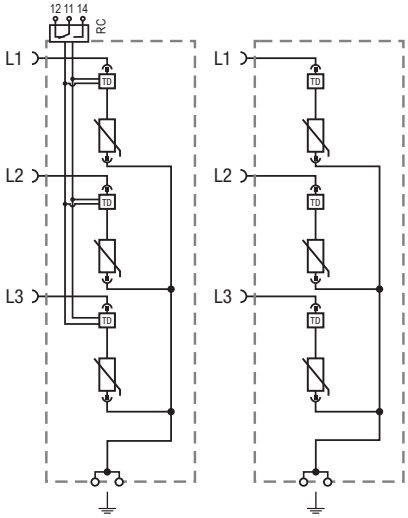
Technical Data

ProTec 60 RX T2-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}	50 kA
Voltage Protection Level	U_p	1500 V
Response Time	t_A	< 25 ns
Overvoltage Category		IV
Overcurrent Protection (max)		315 A gG
Short-Circuit Current Rating (AC)	I_{SCCR}	25 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: 250 V/1 A, 125 V/1 A; DC: 48 V/0.5 A, 24 V/0.5 A, 12 V/0.5 A
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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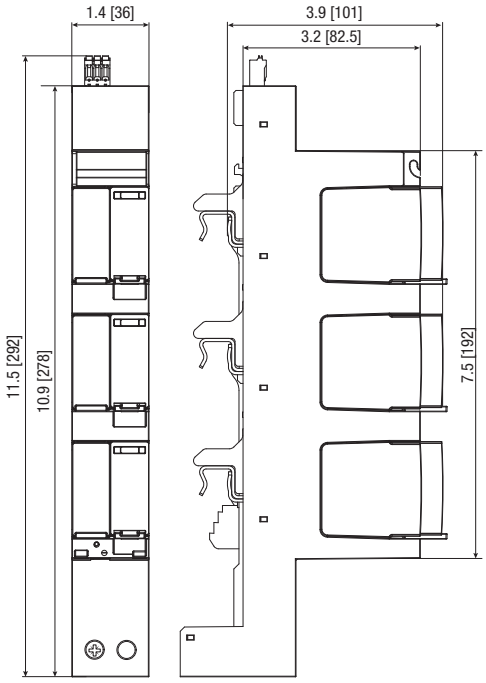
Legend

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

Order Information	
Order Code	**300**
ProTec 60 RX T2-xxx-3+0	515 B01
ProTec 60 RX T2-xxx-3+0-R (with remote contacts)	515 B02
ProTec 60 RX T2-xxx-P (plug)	59.D105
ProAcc 60 RX Cover plate (optional)	515 B21

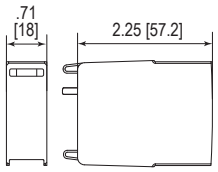
Dimensions & Packaging

inches [mm]



Complete Unit		
ProTec RX 60 T2-xxx-3+0		**300**
Weight	pounds [grams]	1.321 [599]
ProTec RX 60 T2-xxx-3+0-R		
Weight	pounds [grams]	1.576 [715]
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 T2-xxx-P		**300**
Weight	pounds [grams]	.130 [59]
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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DATASHEET

Combined Lightning Current and Surge Arrester

ProTec 60 RX T2 3+1

Class II • Type 2



Location of Use: Main Distribution Boards, Standard and isolated 60 mm busbar systems
Network Systems: TT, TN-S
Mode of Protection: L-N, N-PE, L-PE (combined)
IEC/EN: Class II/Type 2
Housing: Pluggable design
Compliance: IEC 61643-11:2025
EN IEC 61643-11:2025

CE RoHS COMPLIANT

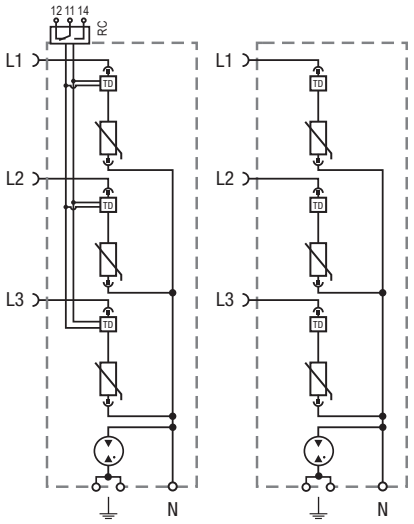
Technical Data

ProTec 60 RX T2-xxx-3+1(-R)			300
IEC Electrical			
Nominal AC Voltage (50/60Hz)		U_o/U_n	240 V
Maximum Continuous Operating Voltage (AC)	(L-N)/(N-PE)	U_c	300 V/305 V
Nominal Discharge Current (8/20 µs)	(L-N)/(N-PE)	I_n	20 kA/40 kA
Maximum Discharge Current (8/20 µs)	(L-N)/(N-PE)	I_{max}	50 kA/65 kA
Voltage Protection Level	(L-N)/(N-PE)/(L-PE)	U_p	1500 V/1500 V/1600 V
Follow Current Interrupt Rating	(N-PE)	I_{fi}	100 A
Response Time	(L-N)/(N-PE)	t_A	< 25 ns/< 100 ns
Overvoltage Category			IV
Overcurrent Protection (max)			315 A gG
Short-Circuit Current Rating (AC)		I_{SCCR}	25 kA
TOV Withstand 5s	(L-N)	U_T	337 V
TOV SafeFail 120min	(L-N)	U_T	442 V
TOV Withstand 200ms	(N-PE)	U_T	1200 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 (with removed spacers)
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: 250 V/ 1 A, 125 V/1 A; DC: 48 V/0.5 A, 24 V/0.5 A, 12 V/0.5 A
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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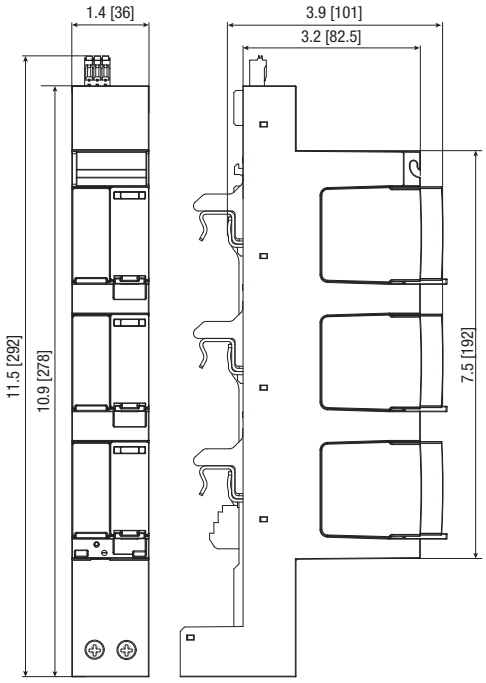
Legend

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

Order Information	
Order Code	**300**
ProTec 60 RX T2-xxx-3+1	515 B09
ProTec 60 RX T2-xxx-3+1-R (with remote contacts)	515 B10
ProTec 60 RX T2-xxx-P (plug)	59.D105
ProAcc 60 RX Cover plate (optional)	515 B21

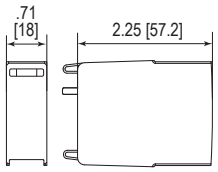
Dimensions & Packaging

inches [mm]



Complete Unit		
ProTec 60 RX T2-xxx-3+1		**300**
Weight	pounds [grams]	1.299 [589]
ProTec 60 RX T2-xxx-3+1-R		
Weight	pounds [grams]	1.343 [609]
Packaging Dimensions (H x W x L)		15.5 × 14.3 × 9.9" [395 × 363 × 253 mm]
Standard Order Quantity		10 Units

Spare Unit

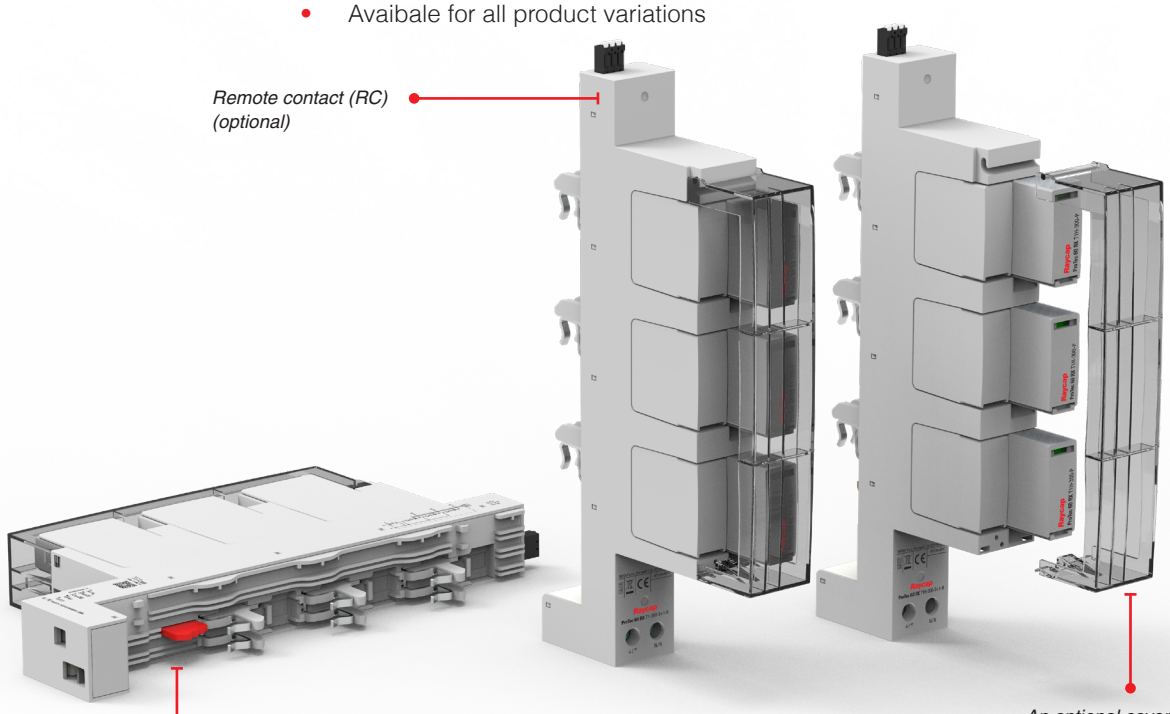


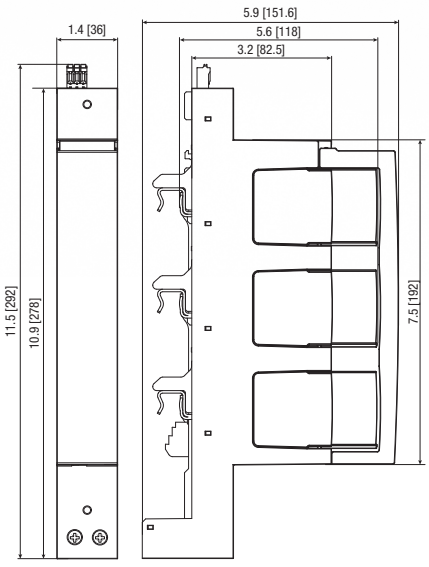
Single Unit		
ProTec 60 RX T2-xxx-P		**300**
Weight	pounds [grams]	.130 [59]
DIN 43880 Dimension		1 TE / .71" [18 mm]
Packaging Dimensions (H x W x L)		3.2 × 4.5 × 12" [83 × 116 × 305 mm]
Standard Order Quantity		24 Units

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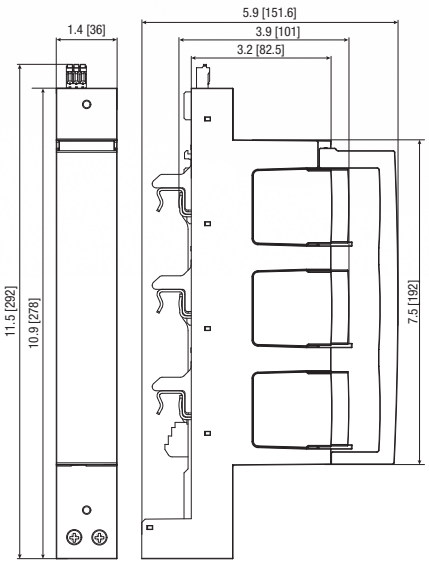
ProAcc 60 RX Cover plate (optional)

- Cover Plate for Pre-meter installations (optional)
- Avaibale for all product variations





ProTec 60 RX T1



ProTec 60 RX T2