



TITAN[®] 250MP

250,000 Amp Panel Protection

EFI Electronics Titan 250MP delivers specification grade performance for service entrance or critical branch panel applications. This multi-phase protection system provides protection for all critical modes in a durable and safe package. The high performance of the Titan 250MP allows protection in the worst environments.



APPLICATIONS

The Titan 250MP provides superior design, safety, and service life for a wide variety of commercial, industrial or institutional applications. The Titan 250MP offers unsurpassed performance and protection for demanding service entrance applications or as part of a complete suppression network. The robust modular construction minimizes possible down time and reduces maintenance costs. The 250MP features redundant diagnostic system alerts to ensure uninterrupted protection against harmful transients.

SUPERIOR PERFORMANCE

The Titan 250MP utilizes 34 mm MOVs in a high-energy suppression circuit which provides 250,000 peak amps of surge current rating per phase. EFI Electronics' exclusive noise-reduction circuitry attenuates up to -30 dB of noise from 100 kHz to 100 MHz. The 250MP incorporates low impedance bolt-on construction to keep clamping voltages at industry leading levels.

SAFETY

The Titan 250MP is engineered to be the industry's safest surge protection device with individually fused suppression modes, thermal cutout, and unsurpassed containment capabilities.

EASY INSTALLATION

The Titan 250MP mounts adjacent to the panel through a conduit connection. The Titan 250MP can be mounted adjacent to the circuit breaker to be used in order to reduce lead lengths and improve protection.

FEATURES	ADVANTAGES	BENEFITS
NEMA 3R/12 Enclosure	Allows installation in outdoor applications	Provides protection to vulnerable equipment powered from weather exposed panels
250,000 Amp Capacity	Provides longer service life and protection against nearby high-energy lightning strikes	Keeps valuable electronics safe even in the worst electrical conditions
Noise Reduction Circuitry	Increased transient suppression	Improves protection to the equipment
Advanced Diagnostics	Allows for online testing of the suppressors functionality	Allows immediate response if suppressor is damaged
Suppression Status Alarm	Provides immediate alarm if suppression is ever damaged	Warns if operating with reduced or without protection
LightningTemp [®] Fuse	Thermal fuse capable of extreme surge currents	Provides reliable operation and prevents dangerous thermal run-a-way if MOV's are damaged

Titan 250MP Product Specifications

MODELS AVAILABLE

T250MP120/240Y, T250MP120/208Y,
T250MP240/120D, T250MP220/380Y,
T250MP277/480Y, T250MP480, T250MP347/600Y

PERFORMANCE

Surge Current Rating 250 kA/phase, L-N 125 kA, L-G 125 kA, N-G 125 kA
Short Circuit Current Rating 200 kA
EMI/RFI Noise Rejection Up to -30 dB
Fusing Individually fused suppression modes
Fault Current Fusing 200 kAIR

MECHANICAL DESCRIPTION

Dimensions See image
Housing Ratings NEMA 3R/12
Product Weight 33 lbs
Connection Method #10 - #2 AWG Terminals
Mounting Method Parallel
Thermal Fusing Yes, LightningTemp® Fuse
Operating Frequency 50/60 Hz
Circuit Type Parallel Hybrid
Storage Temperature -40° to +149° F (-40° to +65° C)
Operating Temperature -32° to +122° F (0° to +50° C)
Operating Altitude Sea Level to 12,000 feet (3,658 Meters)

DIAGNOSTICS

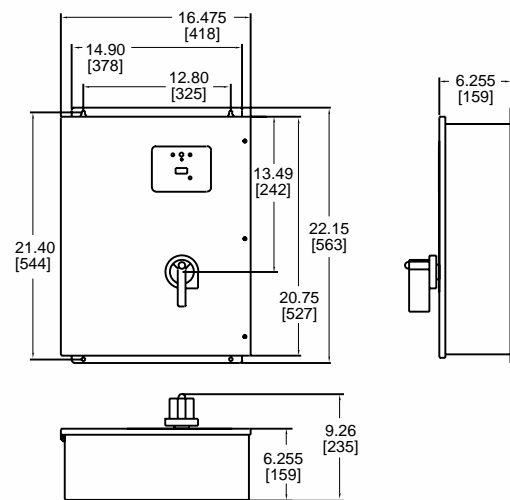
Standard Push to test Diagnostic Switches, Red & Green Status LED's per Phase, Module Status LED's per Mode, Dry Contacts, Audible Alarm with Disable Switch
Optional Surge Counter, Integral Disconnect

SAFETY AND PERFORMANCE

UL 1449 2nd Edition, UL 1283, cUL, CSA C22.2 No. 8-M1986 (E.F.N. No. 516), IEEE C62-41, NEMA LS-1

WARRANTY

Product 10 years



Dimensions: in. [mm]

TITAN 250MP SYSTEM DESCRIPTION

Model	Configuration	MCOV	UL 1449 2-nd Ed				ANSI C62.41.2-2002 Clamping Voltage		
			L-N	L-G	N-G	L-L	Cat A	Cat B	Cat C-Low
T250MP 120/240Y	1 Phase Wye, 3-wire + G	150	400	400	400	800	368	408	436
T250MP 120/208Y	3 Phase Wye, 4-wire + G	150	400	400	400	800	368	408	436
T250MP 240/120D	3 Phase Delta, 4-wire + G	275/150	600/400	600/400	400	1200/700	656/368	696/408	736/428
T250MP 220/380Y	3 Phase Wye, 4-wire + G	320	800	800	700	1500	792	808	856
T250MP 277/480Y	3 Phase Wye, 4-wire + G	320	800	800	700	1500	792	808	856
T250MP 480	3 Phase Wye, 4-wire + G	320	800	800	700	1500	792	808	856
T250MP 347/600Y	3 Phase Wye, 4-wire + G	390	800	800	800	2000	1016	1056	1136



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