



TITAN[®] 200BP(F)

200,000 Amp Branch Panel Protection

Titan 200BP(F) suppression panels provide maximum surge protection for large loads and branch panels. With the Titan 200BP(F), design engineers can specify individual options and features for each project, such as system voltage, housing type, integral fused disconnect, etc.



APPLICATIONS

The Titan 200BP(F) is designed for installation on service entrance and branch panels, as well as sensitive electronic equipment in industrial, medical and commercial applications. The Titan 200BP(F) provides a 200,000 Amp peak surge current rating. In addition, the Titan 200BP(F) can be installed in series for sensitive loads up to 100 amps. Titan 200BP(F) surge suppressors provide excellent protection for branch panels and sensitive equipment in a cascaded filter suppression system.

SUPERIOR PERFORMANCE

The Titan 200BP(F) utilizes a hybrid Sine Wave Tracker[™] suppression circuit in a replaceable single- or three-phase module. It provides both transient protection and up to -50 dB of noise filtration.

SAFETY

The Titan 200BP(F) provides safe and reliable operation by incorporating EFI's latest safety developments. Each MOV is individually fused and the product is contained in a NEMA 1 metallic housing for maximum safety. The Titan 200BP(F) has been tested and is UL and cUL listed.

EASY INSTALLATION

The Titan 200BP(F) easily mounts adjacent to any panel board. Its compact design allows the Titan 200BP(F) to be mounted near the circuit breaker in order to reduce connecting leads and improve performance. Operating status lights are conveniently observed through the front cover and an audible alarm and form C dry contacts alert the user in the case of suppressor damage.

FEATURES

LED Status Indicators
Audible Alarm and NO/NC Dry Contacts Status Indicator
200,000 Peak Amp Surge Current Capacity
Sine Wave Tracker Circuitry

ADVANTAGES

Allows unit to be tested without disabling protection during test conditions
Provides additional indication of the suppression status
Protects against nearby high energy lightning strikes
Provides a tight clamping window above and below the AC sine wave

BENEFITS

Enables building maintenance personnel to regularly inspect suppressor
Allows the building engineer to remotely monitor Surge Protection Device status
Delivers protection even in the worst electrical conditions
Ensures superior transient protection

Titan 200BP(F) Product Specifications

MODELS AVAILABLE

T200BPF120/240Y, T200BPF120/208Y, T200BPF240D, T200BPF240/120D,
T200BPF220/380Y, T200BPF277/480Y, T200BPF480D, T200BPF347/600Y, T200BPF600D,
T200BP120/240Y, T200BP240D, T200BP120/208Y, T200BP220/380Y, T200BP240/120D,
T200BP277/480Y, T200BP480D, T200BP347/600Y, T200BP600D

PERFORMANCE

| | |
|------------------------------|--|
| Maximum Surge Current | 200 kA/Phase, 100 kA L-N, 100 kA L-G, 100 kA N-G |
| Short Circuit Current Rating | 200 kA or 10 kA, 600 V Maximum |
| Sine Wave Tracking Circuit | Wye connected models |
| EMI/RFI Noise Rejection | -50 dB Wye models/-20 dB Delta models |
| Response Time | <1 ns |


MECHANICAL DESCRIPTION

| | |
|-----------------------|---|
| Dimensions | See image |
| Housing Ratings | NEMA 1 (optional NEMA 3R/12) |
| Product Weight | 8.75 lbs |
| Connection Method | #2 AWG Terminals (# 4 AWG w/Disconnect) |
| Mounting Method | Parallel |
| Internal Fusing | Yes |
| Operating Frequency | 50-60-400 Hz |
| Circuit Type | Parallel Hybrid |
| Storage Temperature | -40° to +160° F (-40° to +70° C) |
| Operating Temperature | -40° to +140° F (-40° to +60° C) |
| Operating Altitude | Sea level to 12,000 feet (3,658 meters) |

DIAGNOSTICS

| | |
|----------|--|
| Standard | Green Status LED's per Phase, Audible Alarm with Enable/Disable Switch |
| Optional | NEMA 3R/12 Enclosure (including Push to Test Diagnostics, Red & Green Status LED's per Phase and Dry Contacts) Surge Counter, Fused Safety Disconnect Switch |

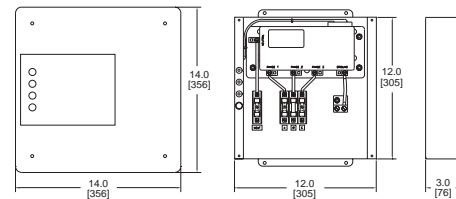
SAFETY APPROVALS

 1449 2nd Edition

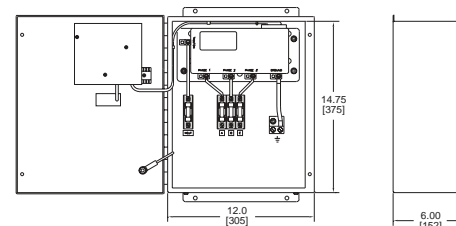
WARRANTY

| | |
|---------|----------|
| Product | 10 years |
|---------|----------|

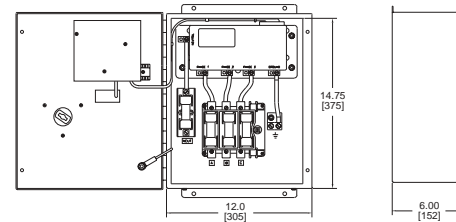
NEMA 1



NEMA 3R



NEMA 3R-D



Dimensions: in.
[mm]

T200BPF (200 kA SCCR) SYSTEM DESCRIPTION

| Model | Configuration | SCCR* | MCOV | UL 1449 2-nd Ed | | | | ANSI C 62.41 Clamping Voltage | | |
|-----------------|---------------------------|--------|---------|-----------------|---------|-----|------|-------------------------------|---------|---------|
| | | | | L-N | L-G | N-G | L-L | Cat A | Cat B3 | Cat C1 |
| T200BPF120/240Y | 1 Phase Wye, 3-wire + G | 200 kA | 150 | 330 | 400 | 330 | 600 | 300 | 350 | 380 |
| T200BPF120/208Y | 3 Phase Wye, 4-wire + G | 200 kA | 150 | 330 | 400 | 330 | 600 | 300 | 350 | 380 |
| T200BPF240D | 3 Phase Delta, 3-wire + G | 200 kA | 260 | N/A | N/A | N/A | 700 | 475 | 570 | 685 |
| T200BPF240/120D | 3 Phase Delta, 4-wire + G | 200 kA | 250/130 | 600/400 | 600/500 | 400 | 700 | 450/300 | 590/350 | 715/380 |
| T200BPF220/380Y | 3 Phase Wye, 4-wire + G | 200 kA | 320 | 800 | 800 | 800 | 1500 | 540 | 670 | 780 |
| T200BPF277/480Y | 3 Phase Wye, 4-wire + G | 200 kA | 320 | 800 | 800 | 700 | 1500 | 540 | 670 | 780 |
| T200BPF480D | 3 Phase Delta, 3-wire + G | 200 kA | 640 | N/A | N/A | N/A | 1500 | 940 | 1365 | 1736 |
| T200BPF347/600Y | 3 Phase Wye, 4-wire +G | 200 kA | 390 | 900 | 1000 | 800 | 1800 | 640 | 900 | 1088 |
| T200BPF600D | 3 Phase Delta, 3-wire +G | 200 kA | 780 | N/A | N/A | N/A | 1800 | 1125 | 1650 | 2096 |

T200BP (10 kA SCCR) SYSTEM DESCRIPTION

| Model | Configuration | SCCR* | MCOV | UL 1449 2-nd Ed | | | | ANSI C 62.41 Clamping Voltage | | |
|----------------|---------------------------|-------|---------|-----------------|---------|-----|------|-------------------------------|---------|---------|
| | | | | L-N | L-G | N-G | L-L | Cat A | Cat B3 | Cat C1 |
| T200BP120/240Y | 1 Phase Wye, 3-wire + G | 10 kA | 150 | 330 | 400 | 330 | 600 | 300 | 350 | 380 |
| T200BP120/208Y | 3 Phase Wye, 4-wire + G | 10 kA | 150 | 330 | 400 | 330 | 600 | 300 | 350 | 380 |
| T200BP240D | 3 Phase Delta, 3-wire + G | 10 kA | 260 | N/A | N/A | N/A | 700 | 475 | 570 | 685 |
| T200BP240/120D | 3 Phase Delta, 4-wire + G | 10 kA | 250/130 | 600/400 | 600/500 | 400 | 700 | 450/300 | 590/350 | 715/380 |
| T200BP220/380Y | 3 Phase Wye, 4-wire + G | 10 kA | 320 | 800 | 800 | 800 | 1500 | 540 | 670 | 780 |
| T200BP277/480Y | 3 Phase Wye, 4-wire + G | 10 kA | 320 | 800 | 800 | 700 | 1500 | 540 | 670 | 780 |
| T200BP480D | 3 Phase Delta, 3-wire + G | 10 kA | 640 | N/A | N/A | N/A | 1500 | 940 | 1365 | 1736 |
| T200BP347/600Y | 3 Phase Wye, 4-wire +G | 10 kA | 390 | 900 | 1000 | 800 | 1800 | 640 | 900 | 1088 |
| T200BP600D | 3 Phase Delta, 3-wire +G | 10 kA | 780 | N/A | N/A | N/A | 1800 | 1125 | 1650 | 2096 |

*Short Circuit Current Rating



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