TITAN® 16DT

www.efinet.com

16,000 AMP DIN RAIL PROTECTION

The Titan 16DT provides high-quality surge protection for DIN Rail mounting inside electronic equipment cabinets. The Titan 16DT can be mounted on a 35mm rail on the load side of the incoming power to protect from transient voltage surges. This product is ideal for manufacturers and integrators requiring designed-in power protection.

Compliant with UL 1449 2.5 Edition requirements dated February 9, 2007.

APPLICATIONS

The Titan 16DT is ideal for cabinet builders as well as manufacturers and integrators of industrial, medical and commercial instrumentation equipment.

SUPERIOR PERFORMANCE

The Titan 16DT utilizes a suppression circuit that provides up to 16,000 peak amps of surge protection. With protection in all modes, the 16DT protects equipment from transient voltages in all conditions.

The Titan 16DT provides safe and reliable operation by incorporating EFI's latest safety developments including EFI's trademark fusing technology, LightningTemp®. Each MOV is individually fused and the product is contained in a NEMA 1 housing for maximum safety. The 16DT has been tested and listed by UL, cUL and CE.

EASY INSTALLATION

The Titan 16DT mounts quickly and easily to 35mm rails while screw lugs provide easy parallel connection in the power system. The small footprint of the Titan 16DT provides greater installation flexibility, even where space is limited.

FEATURES	ADVANTAGES	BENEFITS
COMPACT DESIGN	Allows fast and easy mounting inside equipment cabinets	Eliminates costly customization to cabinet designs
DIN RAIL MOUNTING DESIGN	Provides mounting flexibility for manufacturers using DIN Rail construction	Allows suppressor to be attached and installed in minutes
GREEN STATUS LED	Provides continuous status indication	Prevents unknown loss of protection
LIGHTNINGTEMP® FUSE	Offers protection from extreme surge currents	Provides reliable operation and prevents dangerous thermal run away when MOVs are damaged

TITAN® 16DT Product Specifications

PERFORMANCE

Max Surge Current	16KA/phase, L-N 8KA, L-G 8KA, N-G 8KA
EMI/RFI Noise Rejection	Up to -20dB

MECHANICAL DESCRIPTION

Dimensions	2.28” x 1.5” x 3.5” (Single Phase) 2.28” x 2.82” x 3.5” (Three Phase)
Housing Ratings	NEMA 1
Product Weight	0.3 lb (Single Phase) .5 lb (Three Phase)
Connection Method	Dual #12 AWG Terminals

MECHANICAL DESCRIPTION (CONT'D)

Mounting Method	Parallel (for use on 35 mm rail)
Thermal Fusing	Yes, LightningTemp® Fuse
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)
Operating Frequency	50/60/400Hz
Max Operating Current	Parallel Unlimited
Kelvin/Series	20 Amps
Circuit Type	Parallel

DIAGNOSTICS

Green Status LED

SAFETY APPROVALS

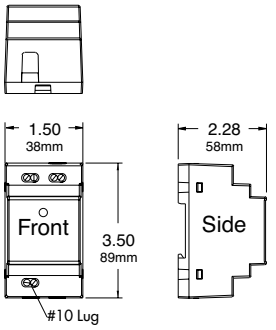
c UL us 1449 2nd Edition, CE

WARRANTY

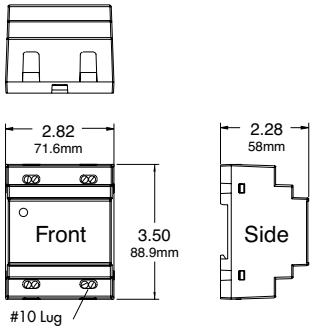
Product 10 years

TITAN 16DT

Single Phase



Three Phase



TITAN 16DT SYSTEM DESCRIPTION			UL 1449 2-ND EDITION				ANSI C 62.41 CLAMPING VOLTAGE		
Model	**Configuration**	**MCOV**	**L-N**	**L-G**	**N-G**	**L-L**	**Cat A**	**Cat B3**	**Cat C1**
Titan 16DT	120 1 Phase, 2-wire + G	150	500	400	500	N/A	420	460	550
Titan 16DT	230 1 Phase, 2-wire + G	320	900	900	900	N/A	896	976	1080
Titan 16DT	200 3 Phase, 3-wire + G	360	N/A	900	N/A	900	930	1000	1140
Titan 16DT	400 3 Phase, 3-wire + G	540	400	1500	N/A	1500	1512	1608	1736

EFI Electronics Corporation
1-800-877-1174 | efinet.com