



TITAN™ SGAP 35

Class I Lightning Arrester

The Titan SGAP 35 provides the primary high-energy surge protection for DIN Rail mounting inside service entrance electrical cabinets. The Titan SGAP 35 can be mounted on 43880 DIN Rail prior to the incoming power source to isolate the cabinet from high power surges. This product is ideal for facilities service entrance panels.



APPLICATIONS

The new Titan DIN Rail Class I Surge Protection Device (SPD) is ideal for service entrance protection against very high power lightning and catastrophic surges originated outside your facility. For complete electrical network protection, the Titan SGAP 35 should be combined with other Titan surge protection devices in sub-panels.

SUPERIOR PERFORMANCE

The Titan SGAP 35 utilizes an encapsulated spark gap cylinder that provides up to 35,000 amps (10/350 μ s) of surge protection. It protects equipment from transient voltages in all conditions. It's encapsulated technology allows it to be installed in the service entrance panel with no restrictions and no additional enclosures.

EASY INSTALLATION

The Titan SGAP 35 mounts quickly and easily to 35mm mounting rails (DIN# 43880) while screw connectors provide easy parallel connection in the power system. The small footprint of the Titan SGAP 35 provides greater installation flexibility, even where space is limited. The encapsulated technology eliminates explosion or fire hazard, typical of other competitors products. Therefore the Titan SGAP 35 can be installed in the service entrance panel, saving space, installation time, and money.

FEATURES	ADVANTAGES	BENEFITS
IMAX	Higher IMAX for class I	Higher protection levels to 10/350 μ s surges
Encapsulated Technology	Contains sparks and exhaust	Can be mounted in service entrance panel
18mm Module Width	High capacity in compact package	Consumes minimal space in panels

For company and product information, please visit www.efinet.com

TITAN SGAP 35

Product Specifications

PERFORMANCE

Technology:	Encapsulated Spark Gap
Impulse Current (10/350 μ s)	
I peak:	35 kA
Charge (Q):	15 As
Specific Energy (W/ Ω):	300 KJ/ Ω
Response Time:	100 ns

MECHANICAL DESCRIPTION

Terminal Size:	50mm ²
Mounting Method:	Parallel (for use on DIN 43880 rail)
Operating Frequency:	50/60 Hz
Max Operating Current	
Parallel	Unlimited
Series (preferred)	Up to 40 A
Circuit Type:	Parallel
Operating Temperature:	-35° to +80° C
Terminal Capacity:	Min: 1x2.5 mm ² Max: 1x50 mm ²
Type of Protection:	IP20

STANDARDS

CE, IEC 61643-1

WARRANTY:

Product: 10 years

TITAN SGAP 35 CLASS I LIGHTNING ARRESTER

SPECIFICATIONS	TITAN SGAP 35
I peak (10/350 μ s)	35 kA
Up (Voltage Protection Level)	< 4 kV
Un (Nominal Voltage)	230 V (L-N/G)
Uc (Maximum Continuous Operating Voltage)	250 V (L-N/G)
I _f @ U _c (Follow Current Extinguishing Capability)	1,5 kA _{RMS}
Isolation Resistance	> 10 ³ M Ω
Number of Poles	1
Short Circuit Withstand 25 kAeff with Maximum Back-up Fuse	125 A gL

