

Surge Protective Device

Technical Documentation



The **ASCO Model 135** modules are ultra high speed fused solid state dual listed Primary (UL 497) and Secondary (UL 497A) protectors for KEY/PABX systems. The units are available in Analog and Digital clamping voltages. Model 135 is constructed with solid state silicon foldback technology, polyswitch resettable fuses — PTCs — and failure fuses. The protective elements switch from the normal high-impedance state to a low-impedance state upon a detection of a surge, then switch back to high impedance after the surge has passed. Model 135 single pair modules fit onto a standard M1-50 split block and replace bridging clips. In addition, these modules require an ASCO MGBW Ground Rail accessory for each M1-50 block used.

Key Specs

- **Voltage:** 0-48 VDC, 0-200 VDC
- **Current:** 150 mA
- **Connection/Mounting:**
Clips into 66M1-50 Block using MGBW ground rail.

*See Ordering Information for model number selection

General Technical Specifications

Operating Voltage	48 VDC (135D065S160SPDN0) 200 VDC (135D220S160SPDN0)
Clamping Voltage	65 VDC (135D065S160SPDN0) 220 VDC (135D220S160SPDN0)
Operating Current	0.15 A
Peak Surge Current	160A (10 x 1000µs T & R to Gnd)
Frequency Range	0 to 20MHz
Insertion Loss	< 0.1 dB at 20MHz
SPD Technology	Silicon Breakover Device w/Series PTC
Connection Type	Clip to M1-50 Punch Down Block
Operating Temperature	-40°C to +85°C
Dimensions (in/mm)	1.25" H x 0.4" W x 2.8" L [31.75 x 10.16 x 71.12 mm]
Weight (oz/kg)	1 oz [0.03 kg]
Warranty	5 years
Certifications	UL497 and UL497A Listed

Caution

Do not place this product in service on any signal line capable of continuously supplying more than 150 mA.

Attention

Ne pas placer ce produit dans le service sur une ligne de signal capable de fournir en permanence plus de 150 mA.

Features

- Primary and secondary protection
- Patent pending UHS technology
- Silicon foldback technology
- Auto reset fusing (PTCs)
- Surge and sneak current protection
- 5 year warranty

Certifications

- UL497
- UL497A

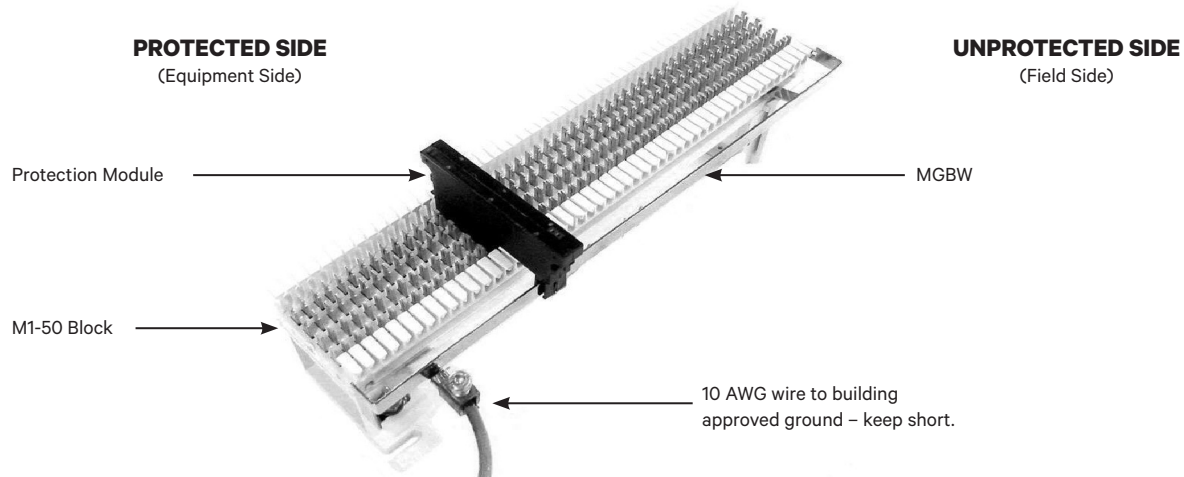
The protector is to be used in a Listed enclosure when used as a Primary protector and may or may not be used in a Listed enclosure when used as a Secondary protector.

DANGER!

Only qualified personnel should install or service this system. Electrical safety pre-cautions must be followed when installing or servicing this equipment. To prevent risk of electrical shock, turn off and lock out all power sources to the unit before making electrical connections or servicing.

Seulement le personnel qualifié doit installer ou maintenir ce système. Des précautions de sécurité en électricité doivent être suivies lors de l'installation ou de la maintenance de cet équipement. Pour éviter tout risque de choc électrique, débranchez et verrouillez toutes les sources d'alimentation de cet équipement avant de.

Installation Instructions



NOTE: DO NOT daisy chain grounds. NOT intended for shield termination. Install ground in accordance with all applicable codes.

The protector is to be used in a Listed enclosure when used as a Primary protector and may or may not be used in a Listed enclosure when used as a Secondary protector.

#6 AWG wire to building approved ground - keep short. See UL 497, paragraph 7.2.2 for more information

Installation should be performed by qualified personnel ONLY and in compliance with NEC Article 800.30 for primary protection and NEC article 800.32 for secondary protection.

Ordering Information

MODEL

Former Model Name

APPLICATION

135D065S160SPDNO

Edco HDE

Digital Extensions

135D220S160SPDNO

Edco HCO

Analog Extensions,
Central Office/Trunks

ACCESSORIES *Former Accessory Name*

MGBW *MGBW-LUG*

Ground Rail for 66M1-50 Block Installation