



160D006S20KXCXN0



160D006S20KXCGN0



160D006S20KXCGL0

The **ASCO Model 160** Surge Protective Devices (SPDs) implement three-stage hybrid technology. The SPDs address over-voltage transients with a primary Gas Discharge Tube (GDT) and secondary Silicon Avalanche Diode (SAD) components. Over-current protection, e.g. sneak and fault currents, are mitigated with solid-state resettable fuses — PTCs.

The Model 160 SPDs are designed in accordance with NFPA 780 requirements, with up to 20 kA of surge current capability. The Model 160 with G as 14th character has an isolated ground option and is recommended for use at the camera-end.

General Technical Specifications

Operating Voltage	5 VDC
Clamping Voltage	6 VDC
Operating Current	0.15 A
Peak Surge Current	20 kA (8 x 20 μs)
Frequency Range	0 to 20 MHz
Insertion Loss	< 0.1 dB at 20 MHz
Response Time	< 0.5 ns
SPD Technology	GDT, SAD, w/ Series PTC
Connection Type	BNC, 50/75 Ohm
Operating Temperature	-40°C to +85°C
Dimensions (in / mm)	160D006S20KXCXN0 = 1.5" H x 1.0" W x 3.25" L [38.1 x 25.4 x 82.55 mm] 160D006S20KXCGN0 = 1.5" H x 1.0" W x 4.0" L [38.1 x 25.4 x 101.6 mm] 160D006S20KXCGL0 = 1.7" H x 1.4" W x 2.8" L [43.18 x 35.56 x 71.12 mm]
Weight (oz / kg)	160D006S20KXCXN0 = 2.3 oz [0.07 kg] 160D006S20KXCGN0 = 3 oz [0.09 kg] 160D006S20KXCGL0 = 3 oz [0.09 kg]
Certifications	UL 497B

Caution

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

Attention

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

Key Specs

- **Voltage:** 0-5 VDC
- **Current:** 150mA
- **Connection:** BNC, 50/75 Ohm
- **Mounting:** Flange/DIN

*See Ordering Information for model number selection

Features

- Sneak/fault current protection
- Low insertion loss
- Shielded case
- Models with isolated ground
- 5 year warranty

Certifications

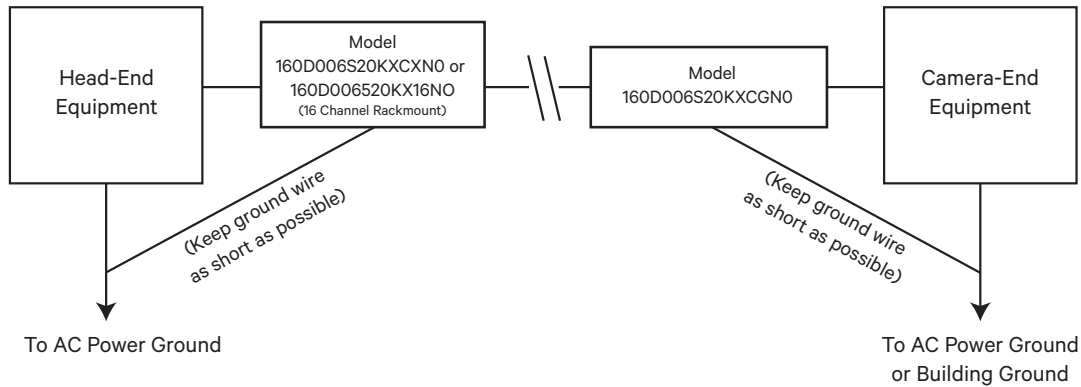
- UL 497B

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



Read and Understand These Instructions

These protectors are intended for indoor use on communication loop circuits which have been isolated from the Public Switch Telephone Network.

The communication loop circuits shall not be exposed to accidental contact with the electric light or power conductors.

The protectors shall be installed per the applicable requirements of the National Electric Code, ANSI/NFPA 70.

160D006S20KXCXN0: Head-End Equipment Protection

- Connect the 160D006S20KXCXN0 in line with the coaxial cable. The side labeled "EQUIP" should be connected to the adjacent head-end equipment.
- Connect incoming coaxial cable to the side of the 160D006S20KXCXN0 labeled "CABLE".
- Connect a ground wire (10-12 AWG) between the 160D006S20KXCXN0 ground terminal and the AC power ground of head-end equipment. Keep this wire as short and straight as possible.

160D006S20KXCGN0 and 160D006S20KXCGL0: Camera-End Protection (with Isolated Ground)

- Connect the 160D006S20KXCGN0 or 160D006S20KXCGL0 in line with the coaxial cable. The side labeled "EQUIP" should be connected to the adjacent camera.
- Connect incoming coaxial cable to the side of the ASCO 160D006S20KXCGN0 or 160D006S20KXCGL0 labeled "CABLE".
- Connect a ground wire (10-12 AWG) between the ASCO 160D006S20KXCGN0 or 160D006S20KXCGL0 ground terminal and either the AC power ground or equipment building ground at the camera location. Keep this wire as short and straight as possible.

Ordering Information

Other configurations available, please contact factory.

MODEL

Former Model Name

APPLICATION

160D006S20KXCXN0

Edco CX06-M

Head-End

160D006S20KXCGN0 (w/ Isolated Ground)

Edco CX06-MI

Camera-End

160D006S20KXCGL0 (w/ Isolated Ground)

Edco CX06-MI-SBL

Camera-End

ACCESSORIES Former Accessory Name

PCDIN 11604KIT-CX

DIN Mounting Kit for
160D006S20KXCXN0,
160D006S20KXCGL0,
160D006S20KXC6N0