

Surge Protective Device

Technical Documentation



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 is 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.

Key Specs

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

Features

- Over-Current Protection
- Low insertion loss
- Shielded case
- Models with isolated ground
- 5 year limited warranty

Certifications

- UL 497B

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

Ordering Information

MODEL

Former Model Name

APPLICATION

ACCESSORIES Former Accessory Name

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

PCDIN 11604KIT-CX

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