

Surge Protective Device

Technical Documentation



The **ASCO Model 159** is a hybrid surge protection product featuring DC power, data and video protection in one package. Each separate circuit is capable of handling high-current impulses while tightly clamping transients and allowing critical power and data to be transmitted.

Key Specs

- **Voltage/Current:** Combination Unit (see specifications)
- **Connection:** Hardwire/Terminal Block for Power & Data, Video uses Female BNC Jack
- **Mounting:** Flange

General Technical Specifications

DC Power Protection (VS)	
Operating Voltage	48 VDC
Clamping Voltage	70 VDC
Operating Current	1 Amp
Peak Surge Current	10 kA
SPD Technology	GDT, SAD, Series Element
Connection Type	5.08mm Terminal Block Plug
High Speed Data Protection (SDIO)	
Clamping Voltage	15 VDC
Operating Current	0.15 A
Peak Surge Current	10 kA
SPD Technology	GDT, SAD, Series Element
Connection Type	5.08mm Terminal Block Plug
Video Protection	
Clamping Voltage	2 VDC
Peak Surge Current	10 kA
SPD Technology	GDT, SAD, Series Element
Connection Type	Female BNC Jack or 5.08mm Terminal Block Plug
Physical Data	
Ground Wire (in / mm)	12 AWG, 36.0 in. [914.4 mm] Long
Terminal Wire Range	28-12 AWG
Wiring Terminal Torque	4.5 LB in
Wiring Terminal Strip Length (in / mm)	0.28 in. - 0.31 in. [7.11 - 7.87 mm]
Dimensions (in / mm)	3.3 in. L x 3.3 in. W x 1.35 in. H [83.82 x 83.82 x 34.29 mm]
Material	High Impact Plastic
Weight (oz / kg)	12 oz [0.34 kg]
Mounting	Flange mounted, 3.75 in. mounting hold distance, (0.188 in. dia.) (2x) DIN-Rail mounting (Optional)
Operating Temperature	-40°C to +74°C
Operating Humidity	0% to 95% Non-condensing
Certifications	
Environmental	RoHS Compliant
Certifications	UL 497B Listed, Tested to IEC 802.11
Limited Warranty	5 Year

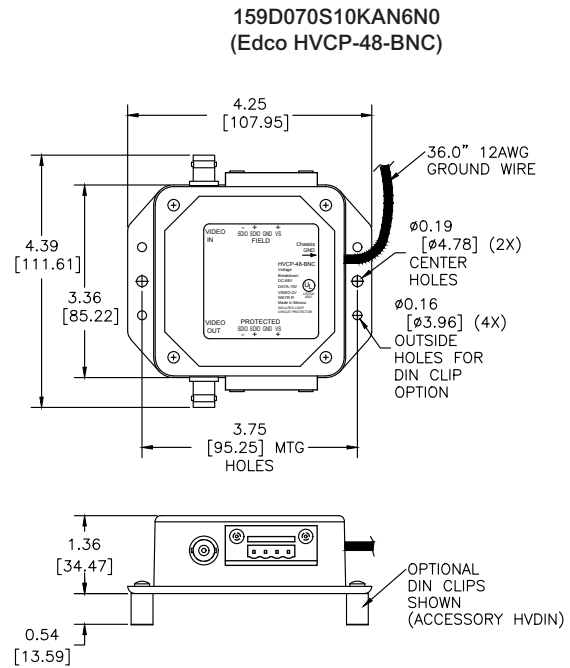
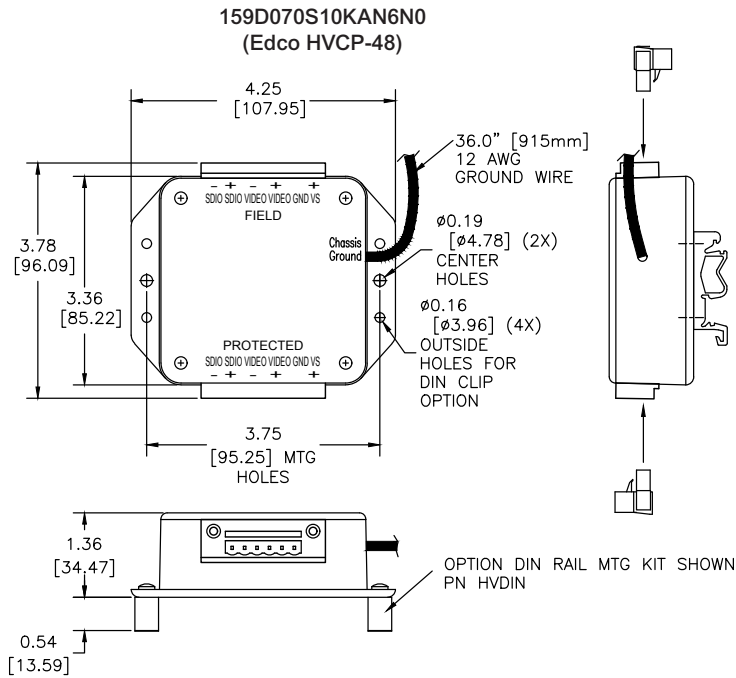
Features

- Three separate hybrid circuits
- Balanced transition circuit
- Ultra low capacitance, low signal loss
- Rugged gas tube protection
- Optional DIN rail assembly (sold separately)

Certifications

- RoHS Compliant
- UL 497B Listed
- Tested to IEC 802.11

Dimensions



Ordering Information

MODEL

Former Model Name

APPLICATION

159D070S10KAN6N0

Edco HVCP-48

Analog Camera

159D070S10KANBN0

Edco HVCP-48-BNC

BNC Video, Hardwire
Power and Data