

Edco CX Series

CCTV & Data Applications/Coax

■ Surge Protection
For Business-Critical Continuity™

The Edco CX06-M, CX06-MI and CX06-MI-SBL 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 Edco CX06-M, CX06-MI and CX06-MI-SBL SPDs are designed in accordance with NFPA 780 (2004 edition) requirements, with up to 20 kA of surge current capability. The Edco CX06-MI and CX06-MI-SBL models have an isolated ground 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 μ s)
Frequency Range	0 to 20 MHz
Insertion Loss	< 0.1 dB at 20 MHz
Response Time	<.5ns
SPD Technology	GDT, SAD, w/Series PTC
Connection Type	BNC, 50/75 Ohm
Operating Temperature	-40°C to +85°C
Dimensions (Inches)	M = 1.5H x 1W x 3.25L MI = 1.5H x 1W x 4L SBL = 1.7H x 1.4W x 2.8L
Weight	M = 2.3 oz MI = 3 oz SBL = 3 oz
Certifications	UL 497B Listed



Features

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

Ordering Information

Head-End	CX06-M
Camera-End	CX06-MI
	CX06-MI-SBL

*Other configurations available please consult factory.

Installation

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.

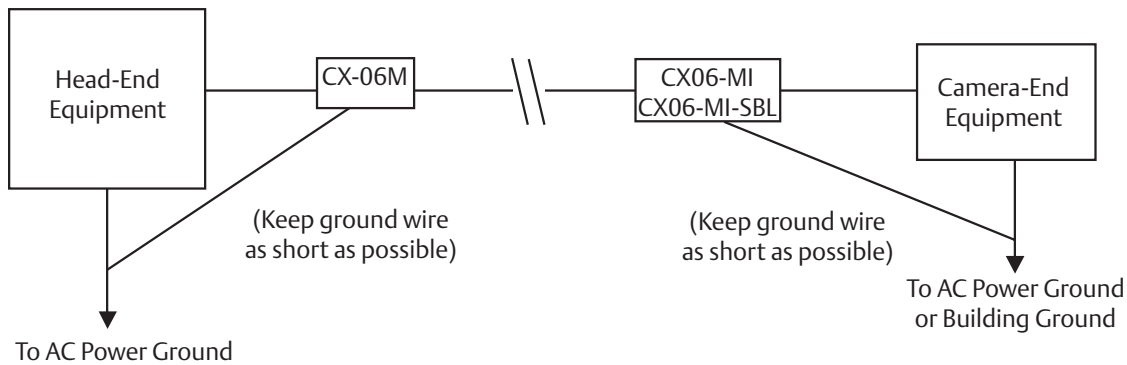
The communication loop circuits shall not be exposed to accidental contact with the electric light or power conductors. The protectors shall be installed per the applicable requirements of the National Electric Code, ANSI/NFPA 70.

Edco CX06-M: Head-End Equipment Protection

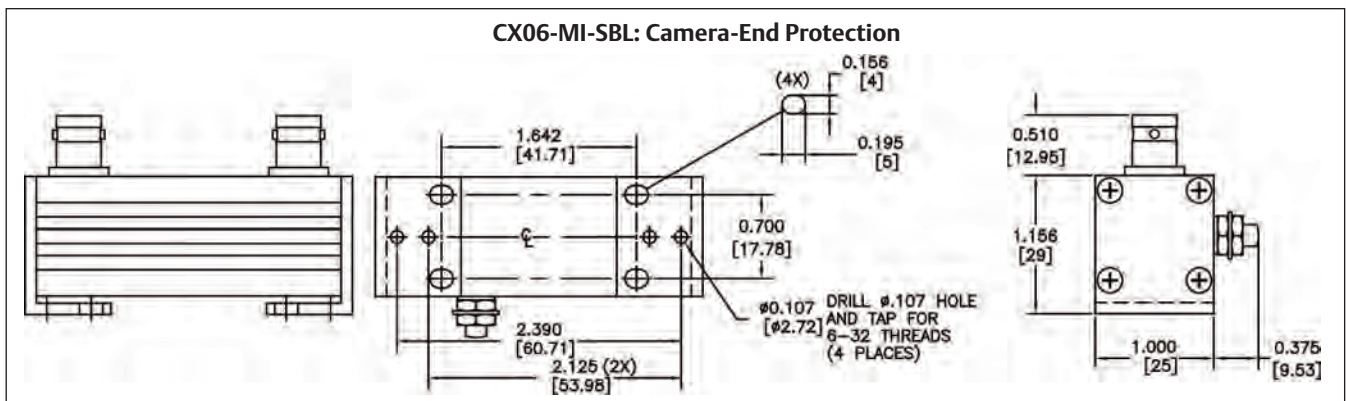
- Connect the Edco CX06-M in line with the coaxial cable. The side labeled "EQUIP" should be connected to the adjacent head-end equipment.
- Connect incoming coaxial cable to the side of the Edco CX06-M labeled "CABLE".
- Connect a ground wire (10-12 AWG) between the Edco CX06-M ground terminal and the AC power ground of head-end equipment. Keep this wire as short and straight as possible.

Edco CX06-MI and CX06-MI-SBL: Camera-End Protection

- Connect the Edco CX06-MI or -SBL 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 Edco CX06-MI or -SBL labeled "CABLE".
- Connect a ground wire (10-12 AWG) between the Edco CX06-MI or -SBL 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.



CX06-MI-SBL: Camera-End Protection



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■ **Surge Protection**

Emerson Network Power Contact information

www.emersonnetworkpower.com/surge

Headquarters
Surge Protection
100 Emerson Parkway
Binghamton, NY 13905
T: (607) 721-8840
T: (800) 288-6169
F: (607) 722-8713
E: contactsurge@emerson.com

