

Surge Protective Device

Technical Documentation



The **ASCO Model 157** suppressors are designed for the water and wastewater industry. These multi-stage hybrid suppressors address overvoltage transients with gas tube and silicon avalanche technology. In addition, over-current conditions are mitigated with PTC devices which consist of solid-state resettable fuses. The units are encapsulated in stainless steel pipe nipples making them suitable for use in severe environments.

The ASCO 157D036S10KXW5R0 and 157D036S10KXW5S0 models are designed for a signal pair. The ASCO 157D036S10KXW6M0 and 157D036S10KXW6P0 models are designed for a signal pair plus the cable shield (drain wire).

Key Specs

- **Voltage:** 0-28 VDC
- **Current:** 150mA
- **Connection:** 18 AWG Wire Leads
- **Mounting:** 3/4" or 1/2" Pipe

Features

- Transient protection for low-voltage signal lines
- Sneak/fault current protection
- Resettable fusing—PTCs
- Differential and common mode protection
- Automatic recovery
- Encapsulated in stainless steel pipe nipples
- Protection for one pair (Two wires & shield on 3/4")
- 5 year limited warranty

General Technical Specifications

Operating Voltage	28 VDC
Maximum Operating Current	150 mA
Clamping Voltage (L-G)	36 VDC
Clamping Voltage (L-L)	72 VDC
Peak Surge Current	10 kA (8x20 μs)
SPD Technology	GDT, SAD, w/series PTC
Frequency Range	0 to 20 MHz
Insertion Loss	< 0.1 dB at 20 MHz
Series Resistance (per Conductor)	5 Ohm (typical)
Capacitance (Zero Volts Bias)	(L-G) 1200 pf (typical) (L-L) 600 pf (typical)
Operating Temperature	-40°C to +85°C
Life Cycle	400 @ 500 Amps (10x1000 μs)
Weight (lb / kg)	0.35 lbs. [0.16 kg]
Certifications	UL 497B

Ordering Information

MODEL

Former Model Name

APPLICATION

157D036S10KXW5R0

Edco SS64-036-1

1/2" Metal Conduit In-Line

157D036S10KXW5S0

Edco SS64-036-2

1/2" Metal Conduit Capped

157D036S10KXW6M0

Edco SS65-036-1

3/4" Metal Conduit In-Line, with Shield

157D036S10KXW6P0

Edco SS65-036-2

3/4" Metal Conduit Capped, with Shield

Certifications

- UL 497B