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# FWC-FSLC-ISO

## Loop Short Circuit Isolator

### DATA SHEET

WI1924 09/10

#### ORDERING INFORMATION

**FWC-FSLC-ISO** - (Circuit protector) Loop Short Circuit Isolator. The FWC-FSLC-ISO is used to prevent a short from disabling the entire GEMC-FW-SLC polling loop.  
For installation and wiring instructions, see WI1716.

#### AGENCY LISTINGS

UL864 9th Edition: Commercial Fire  
NFPA 72 National Fire Alarm Code  
CSFM: California State Fire Marshall (Pending)  
FM Approval: (Pending)  
NYCFD: NYC Fire Department (Pending)

#### FEATURES:

1. Can be placed at any location on S-SC line (Polling Loop).
2. Checks the line for short circuit at power ON. If a line is normal, the relay will be turned on. If a line short is detected, the relay remains open.
3. Indication of short circuit by a yellow LED

### SPECIFICATIONS

SLC Applied Voltage	Rated Range 25.3 – 39 VDC
SLC Current Consumption	Nominal 270µA
Active Current Consumption (Short Circuit Condition)	10mA (Typical)
On Resistance	50mΩ (Normal condition)
Visual Indicator (Status LED)	Yellow LED Indicates Short
Operating Temperature Range	0°C (32°F) ~ 49°C (120°F)
Storage Temperature Range	-30°C (-22°F) ~ 70°C (158°F)
Maximum Relative Humidity	Up to 90% RH non-condensing
Environment	Indoor dry use only
Dimensions	4.2"W X 4.7"H X .85"D
Weight	Approximately 3.0 ounces