

Description

The 680 loop isolator provides electrical isolation of alarm zone wiring for addressable fire detection control and indicating equipment. The use of the 680 as part of the detector zone wiring ensures that short-circuit faults in the alarm zone loop wiring disable a minimum number of detectors.

The 680 loop isolator range provides fire detection and alarm system designers with a Standards-compliant, premium product for life safety and property protection applications.

Features

- Automatic operation
- Automatic reset
- Surface-mount device (SMD) circuit board design
- DC 24 V operation
- Compatible with 2-wire fire detection and alarm systems
- LED activation indicator
- Low maintenance

Compliance

680 loop isolators have the following compliance.

	EN 54-17 ^{a, b}	CE
680-001	✓	✓

^a EN 54-17 Short-circuit isolators

^b Third-party conformance assessment has not been undertaken.

Accessories

The following accessories are compatible with 680 loop isolators.

Description	Part number	Datasheet
8-term. 99 mm low profile base	CN104A	31-0038

Specifications

680-001	
Operating voltage	DC (17 ~ 28) V
Standby current (max)	40 µA @ DC 24 V
Continuous current (max)	5 mA
Switching current (max)	3.0 A
Switching resistance (max)	0.3 Ω
Operating temperature	(-0 ~ +60) °C
Operating humidity	(0 ~ 95) % RH, non-condensing
Storage temperature	(-25 ~ +80) °C
Storage humidity	(0 ~ 98) % RH, non-condensing
Dimensions	∅ 99 mm × 40 mm

Ordering Information

680-001

View the complete range of products at www.numens.net



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