

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 zone transmission path ensures that short-circuit faults in the alarm zone loop wiring disable a minimum number of detectors. A yellow LED indicates when the isolator is active.

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 ^a.

	EN 54-17 ^b	CE ^c
680-001	✓	✓

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

^b EN 54-17 *Short-circuit isolators*

^c Conformité Européenne



680 loop isolator

Accessories

The following accessories are compatible with 680 loop isolators.

Description	Part number	Datasheet
4-terminal 99 mm low profile base	487-005	31-0117

Specifications

Operating	680-001
Operating voltage	DC (17 ~ 28) V
Standby current (max)	600 µA @ DC 24 V
Continuous current (max)	5 mA
Switching current (max)	3.0 A
Switching resistance (max)	0.3 Ω
Isolator active indicator	Yellow LED
Environmental	
Operating temperature	(-0 ~ +60) °C
Operating humidity	(0 ~ 95) % RH, non-condensing
Storage temperature	(-25 ~ +80) °C
Storage humidity	(0 ~ 98) % RH, non-condensing
Miscellaneous	
Dimensions	Φ 99 mm × 40 mm

Ordering Information

680-001

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

