



G009803

System: CFD5000 T

# Short Circuit Isolator

## Salwico NMI-SCI

Part no. 5200315-00A

### General Description

NMI SCI is a short circuit isolator for mounting on 35 mm DIN-rail. Developed to provide short circuit protection of loop cable and devices, specifically in cases when detectors detour from loop path.

The unit is designed for use in dry and clean spaces. NMI SCI can only be used on addressable loops.

Short Circuit Isolator function is fully transparent and does not require any settings.

#### Features and benefits

- Small size
- DIN-Rail mounting (acc. to EN50022)
- Easy termination access
- Quick and safe Short Circuit Isolation

### Data

|                              |                        |
|------------------------------|------------------------|
| Operating voltage            | 22 VDC to 38 VDC       |
| Quiescent current            | 60 $\mu$ A             |
| Current when short circuited | 13 mA                  |
| Ingress protection           | Dependant on enclosure |
| Operating temperature        | -40°C to +70°C         |
| Relative Humidity            | RH 95%                 |
| Material                     | PC/ABS                 |
| Weight                       | 60 g $\pm$ 5%          |

|                                                   |          |
|---------------------------------------------------|----------|
| Minimum sw open voltage ( $V_{so \text{ min}}$ )  | 9 VDC    |
| Maximum sw open voltage ( $V_{so \text{ max}}$ )  | 11 VDC   |
| Minimum sw close voltage ( $V_{sc \text{ min}}$ ) | 10 VDC   |
| Maximum sw close voltage ( $V_{sc \text{ max}}$ ) | 12 VDC   |
| Maximum line current ( $I_c \text{ max}$ )        | 800 mA   |
| Maximum switching current ( $I_s \text{ max}$ )   | 1500 mA  |
| Maximum leakage current ( $I_l \text{ max}$ )     | 13 mA    |
| Maximum switch resistance ( $Z_c \text{ max}$ )   | 120 mOhm |

Approvals EN 50155, EN 45545-2



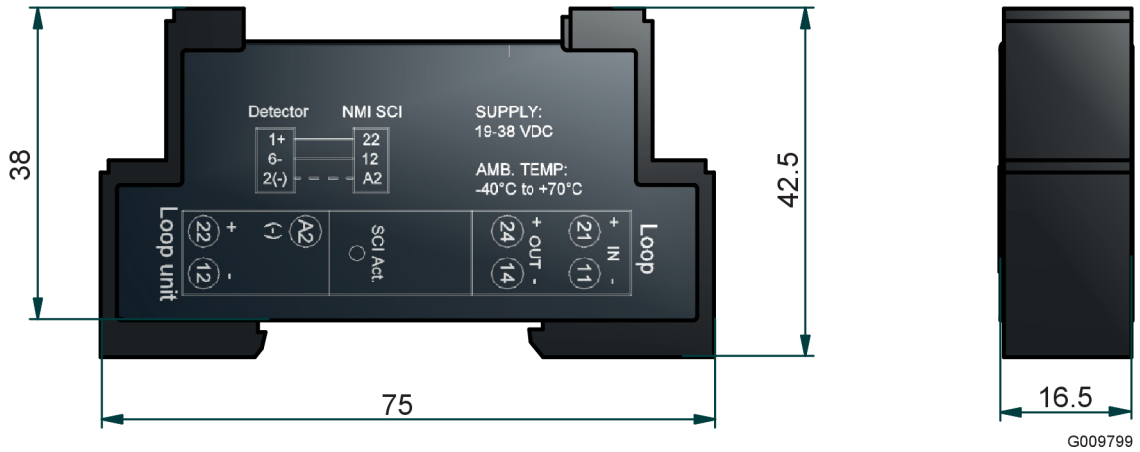
### Indicator



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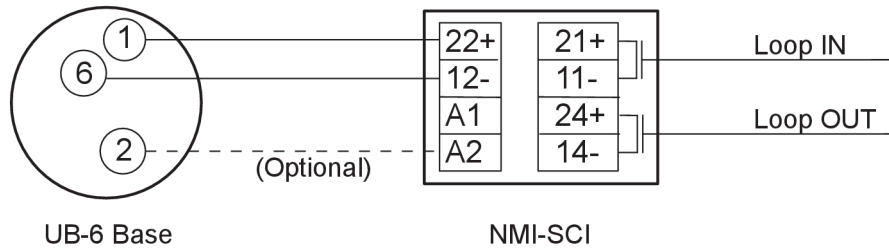
\* Short circuit indication LED

### Dimensions (mm)



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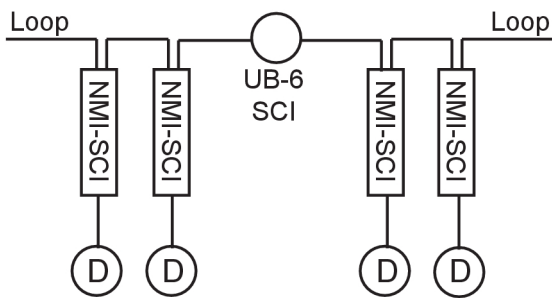
### Connection



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### Typical use

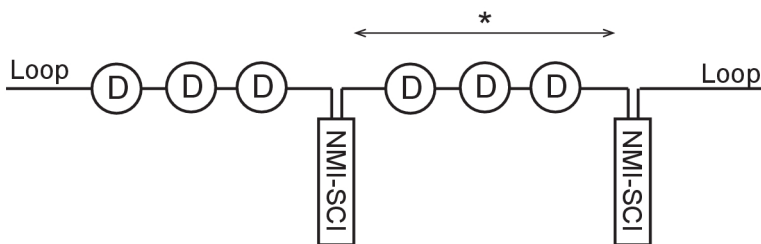
#### Example 1



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D = Detector head

#### Example 2



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\* = Max 32 detector heads between two NMI-SCI