

SR560

Dual Channel Alarm Unit for mA/V Signals



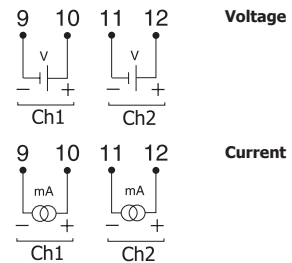
SR560



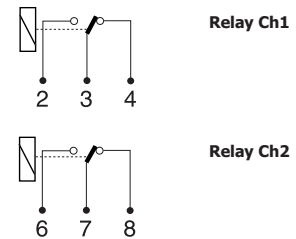
SR560 is designed for monitoring mA or V signals in the process industry. The two channels are fully independent. The SR560 is specially designed for reliable safety triggering without false alarms. High configuration flexibility allows for adaptation to required alarm functions.

- Two fully independent isolated channels
- Current and voltage input
- Reliable and interference free safety alarm without false alarms
- High configuration flexibility with solder jumpers
- Adjustable time delay, hysteresis and relay functions
- Available for AC or DC power supply
- DIN-rail mounting
- Plug-in screw terminals

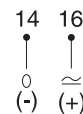
Input connections



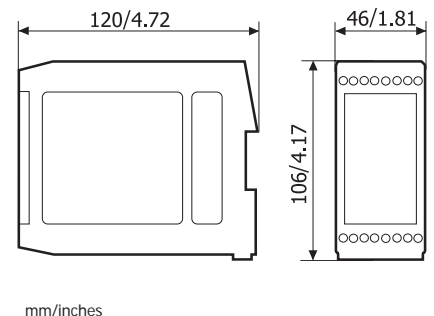
Output connections



Power supply



Dimensions



Ordering information

| | |
|-------------------------------|------------|
| SR560, 0(4)-20 mA, 230 VAC | 51MOE00014 |
| SR560, 0(4)-20 mA, 115 VAC | 51MOE00017 |
| SR560, 0(4)-20 mA, 19-60 VDC | 51MOE00015 |
| Configuration for other range | 70CAL00003 |

Specifications:

| | | |
|------------------------------------------------|------------------------------------------------------------|------------------------------------------|
| No. of channels | Two, independent selection of input signal | |
| Input Voltage | 0(0.2)-1 V, 0(1)-5 V, 0(2)-10 V | |
| Input impedance | 10 MΩ | |
| Input Current | 0(4)-20 mA (standard setting) | |
| Input impedance | 51 Ω | |
| Maximum input level | 200 % of input span | |
| Output Relay 1 & 2 | One per channel | 1-pole switch over contact |
| Selectable High or Low alarm | Jumpers on PCB (standard: High) | |
| Adjustable alarm set-point | Front 15-turn potentiometers / test connectors | |
| Selectable alarm delay | 0.4 s (standard) or 2 s, changeable on PCB | |
| Adjustable hysteresis | 0.35 % (standard) to 80 % with front 15-turn potentiometer | |
| Selectable normally active or passive function | Jumpers on PCB (standard: normally active) | |
| Operation temperature | -20 to +60 °C / -4 to +140 °F | |
| Galvanic isolation | AC versions | |
| | Input to relay outputs | 3 700 VAC, 1 min |
| | Input to power supply | 3 700 VAC, 1 min |
| | Relay outputs to power supply | 3 700 VAC, 1 min |
| | Between channels | 1 500 VAC, 1 min |
| | DC version | |
| | Input to relay outputs | 1 500 VAC, 1 min |
| | Input to power supply | 1 500 VAC, 1 min |
| | Relay outputs to power supply | 1 500 VAC, 1 min |
| | Between channels | 1 500 VAC, 1 min |
| Power supply | AC versions | 230 VAC, -15..+10 %, 45..75 Hz |
| | | 115 VAC, -15..+10 %, 45..75 Hz |
| | DC version | 19 to 60 VDC |
| Typical accuracy | Trip point | ± 0.1 % of span |
| Connections | Plug-in terminals | Stranded, ≤ 2.5 mm ² , AWG 14 |
| Mounting | | Rail acc. to DIN EN 50022, 35 mm |