

PSSZ-2 Control Unit



Features

- Category 3 EN954-1*
- DIN rail mounted
- 24V d.c. supply voltage
- Fail-safe auto reset
- Small size
- Solid state volt free outputs
- Compatible with SLZ single lead Tapeswitch sensing edges and ribbon switches
- Compatible with AS-i Safe

The PSSZ-2 miniature DIN-rail interface unit for safety mats, sensing edges and other ribbon switch sensors is remarkable because of its small size. The unit has Category 3 fail-safe monitoring but is similar in size to a DIN-rail terminal. These interface units monitor the safety sensor by using a single two-wire lead, which reduces the complexity of the installation and is often the most practical solution. In fact in some four-wire applications it would be impractical or impossible to have leads fitted at each end of the sensor.

The PSSZ-2 has solid-state normally closed volt-free outputs which means that it is compatible with virtually any interface, including the input modules of bus systems such as AS-i. It also has an LED function, illuminating red or green, prominently displaying the status of the sensor.

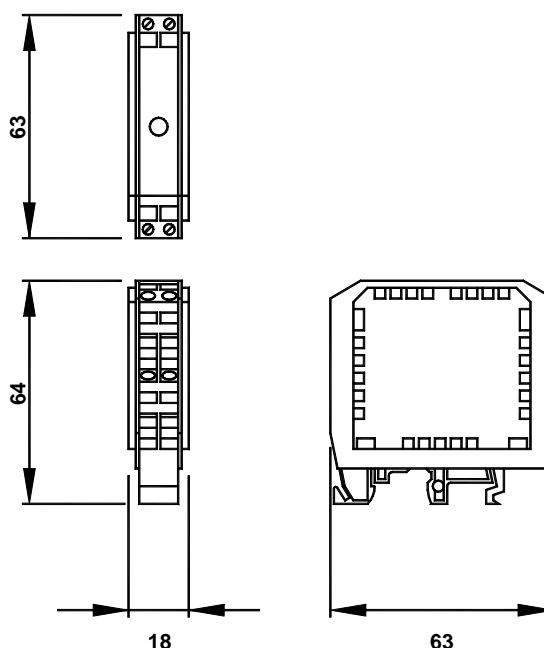
In order to achieve EN954-1 category 3 safety integrity the control unit must be used with the SLZ-option Tapeswitch sensor.

Technical Specification

| | |
|-----------------------|-----------------------|
| Supply voltage | 24V d.c. |
| Power consumption | 2,5VA |
| Enclosure type | DIN rail |
| Enclosure rating | IP20 |
| Response time | <30ms |
| Weight | 40g |
| Sensor wiring | Fail-safe single lead |
| Reset mode | Auto |
| Output relays | 2 x solid state |
| Output configuration | 2 x N/O volt-free |
| Operating temperature | 0°C to +50°C |
| Safety standard | Category 3 EN954-1 |
| Typical applications | Medium/high risk |

Typical Applications:

- Car park barriers
- Automatic gates
- Roller-shutter doors
- Factory automation



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