## SNO 4062K/KM

## MONITORING OF EMERGENCY STOP, SAFETY GATES AND LIGHT BARRIERS



## -(UL) us (CCC

## FUNCTION

## SNO 4062K

The device is a two-channel switching device for emergency stop applications with self-monitoring on each ON-OFF cycle. It complies with EN 60204-1 and is equipped with forcibly guided relays.

## BASIC FUNCTION:

With supply voltage applied to terminals A1/A2 and the safety inputs closed, pressing the reset button closes the enabling current paths (manual start). When the safety inputs are opened/ de-energized the enabling current paths will open.

- Manual start When the safety inputs are closed, a button is used to open reset input S34 (triggering with falling edge) or to close reset input S35 (triggering with rising edge).
- Automatic start Reset input S35 is connected to S33. The device starts with the rising edge of the signal on safety input S12.


## APPLICATIONS

- Protection of people and machinery
- Monitoring of emergency stop applications
- Monitoring of safety gates
- Monitoring of light barriers
- Up to PL e / Category 4 (EN ISO 13849-1)
- Up to SILcl 3 (EN 62061)


## FEATURES

- Stop Category 0 according to EN 60204-1
- Reset button monitoring
- Manual or automatic start

Single-channel or two-channel control

- Cross monitoring
- 2 enabling current paths, 1 signal current path


## SNO 4062KM

The function of this device corresponds to that of the SNO 4062 K without synchrocheck. The device is suitable for connecting to light curtains for Type 4 (EN 61496-1) and connecting to short-circuit forming 4-wire safety mats, switching strips or switching edges (without monitoring resistance).

- Safety mats The device must be operated with two channels and cross monitoring. If there is resistance $<50 \Omega$ / channel and a short circuit between the channels (S11/S12 and S21/S22) the enabling paths open and the SUPPLY LEDs flashes.
- Light curtain for Type 4 (EN 61496-1) The device will be operated with two channels and without cross monitoring, if the light curtain connected to the OSSD detects a shunt fault on its own.

For applications with tactile operating modes (rapid ON-OFF cycles, for example with manual supply) we recommend using SNO 4062KM.

## CIRCUIT DIAGRAM

## SNO 4062K /KM



## OVERVIEW OF DEVICES | PART NUMBERS

| Type | Rated voltage | Terminals | Part no. |  |
| :--- | :--- | :--- | :--- | :--- |
| SNO 4062K-A | $24 \mathrm{VAC} / D C$ | Screw terminals, pluggable | R1.188.0700.2 | 1 |
| SNO 4062KM-A | $24 \mathrm{VAC} / D C$ | Screw terminals, pluggable | R1.188.0720.2 | 1 |
| SNO 4062K-C | $24 \mathrm{VAC} / D C$ | Push-in terminals, pluggable | R1.188.2000.0 | 1 |



