## SNA 4063K/KM, SNA 4064K/KM Monitoring of emergency stop, safety gates and light barriers



## Applications

- 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
- Single-channel or two-channel control
- Manual reset with monitoring
- Cross monitoring
- 3 to 4 enabling current paths


## Function

After the supply voltage is applied to terminals A1/A2 and the safety inputs are closed, the enabling current paths (NO contacts) are closed and the signal current path (NC contact) is opened by pressing the reset button (manual start with monitoring). When the safety inputs are opened/de-energized, the enabling current paths (NO contacts) are opened immediately.

- Manual start with monitoring - Reset input S34 is connected to safety input S11 via a RESET button. To monitor external contact blocks (EDM), their NC contacts must be connected in series to the RESET button.
- Monitoring of light curtains - The KM device types are especially suitable for the monitoring of very fast tactile switching operations, for example in safety light curtain applications. Very short switch-off procedures of a few milliseconds are detected reliably and lead to the switching off of the internal relays.


## Circuit diagram

SNA 4063K/KM


SNA 4064K/KM


## Overview of devices | part numbers

| Type | Rated voltage | Terminals | Part no. | Std. pack |
| :---: | :---: | :---: | :---: | :---: |
| SNA 4063K-A | 24 V AC/DC | Screw terminals, pluggable | R1.188.1440.0 | 1 |
| SNA 4063K-A | 42-48 V AC | Screw terminals, pluggable | R1.188.1850.0 | 1 |
| SNA 4063K-A | 115-120 V AC | Screw terminals, pluggable | R1.188.1450.0 | 1 |
| SNA 4063K-A | 230 V AC | Screw terminals, pluggable | R1.188.1460.0 | 1 |
| SNA 4063K-C | 24 V AC/DC | Push-in terminals, pluggable | R1.188.1950.0 | 1 |
| SNA 4063KM-A | 24 V AC/DC | Screw terminals, pluggable | R1.188.3290.0 | 1 |
| SNA 4063KM-C | 24 V AC/DC | Push-in terminals, pluggable | R1.188.3420.0 | 1 |
| SNA 4064K-A | 24 V AC/DC | Screw terminals, pluggable | R1.188.1900.0 | 1 |
| SNA 4064K-A | $42-48 \mathrm{~V}$ AC | Screw terminals, pluggable | R1.188.1910.0 | 1 |
| SNA 4064K-A | 115-120 V AC | Screw terminals, pluggable | R1.188.1920.0 | 1 |
| SNA 4064K-A | 230 V AC | Screw terminals, pluggable | R1.188.1930.0 | 1 |
| SNA 4064K-C | 24 V AC/DC | Push-in terminals, pluggable | R1.188.1970.0 | 1 |
| SNA 4064KM-A | 24 V AC/DC | Screw terminals, pluggable | R1.188.3360.0 | 1 |
| SNA 4064KM-C | 24 V AC/DC | Push-in terminals, pluggable | R1.188.3430.0 | 1 |

## Technical data



