

# FURTIF OPTO2S

STAND-ALONE without safety module

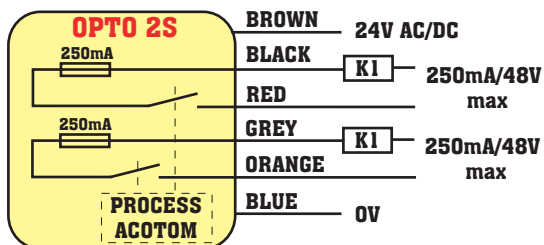
## CODED NON-CONTACT SAFETY SWITCH FOR TINY ACCESS

- Small housing fits in tight access areas
- Resistant to shocks : 75G maxi
- Detection distance/hysteresis/misalignment : 7 /+2 /±3 (mm)
- 2 NO 250mA/48V
- No delay between the channels
- LED indicating the switch condition
- Mounting brackets and moulded cable
- Polycarbonate housing
- Protection class IP67
- Temperature -20°C to+60°C

### SAFETY CATEGORY

OPTO2S : category 1 according to EN954-1  
 1 OPTO2S + safety module : category 4  
 OPTO2S in series + safety module : category 3

### WIRING DIAGRAM

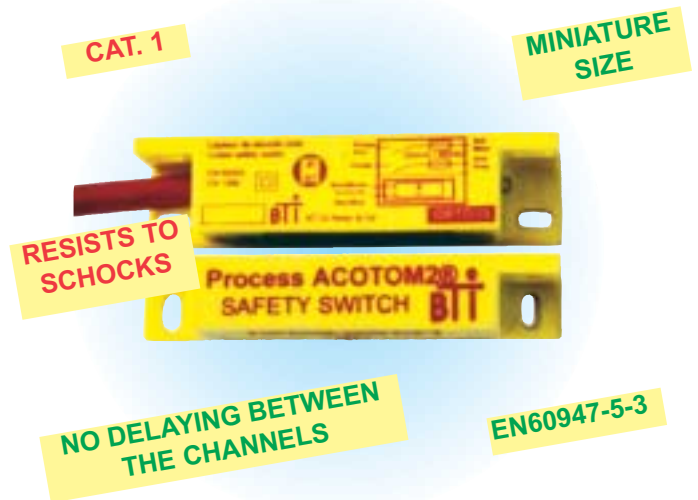


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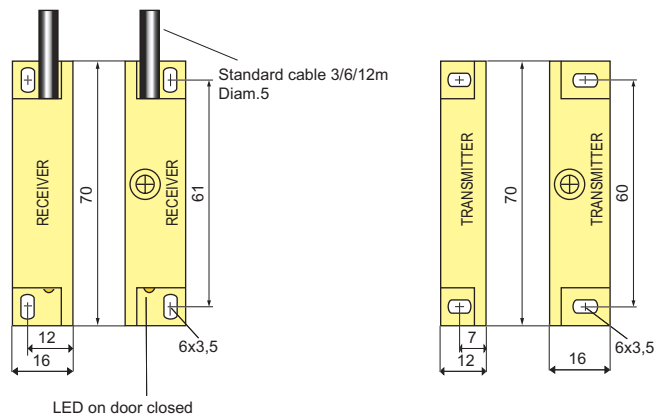
### ACCEPTABLE CHARGES IN THE CIRCUIT

Admissible overcurrent to 25°C	Functioning time
In = 250 mA	4 hours min.
In = 500 mA	5 seconds max.
In = 750 mA	0,2 seconds max.

This product can not work with an AWAX module in automatic reset mode (SR mode).



### DIMENSIONS



### ADVICE

It replaces any safety switch : mechanical and magnetic switches with reed contacts. Adapted to the trap doors and manhole.



# OPTO3SC M8

Stand-alone without safety module

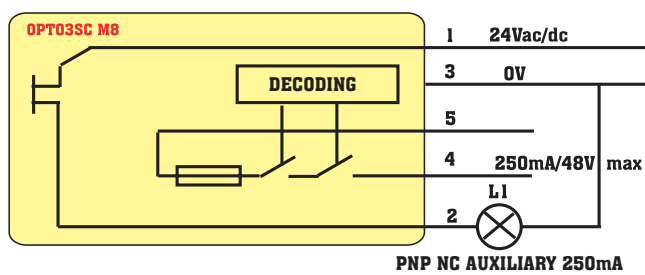
## CODED NON-CONTACT SAFETY SWITCH FOR TINY ACCESS

- Switching distance/hysteresis : 8 mm/3 mm
- LED indicating code detection
- Polycarbonate housing
- Power supply: 24 V ac/dc -15% /+10% 50 /60 Hz
- Protection class IP67/Temperature -20°C to +60°C
- Safety contact output: max: 48V/250mA
- Response time : 4 ms

### SAFETY CATEGORY

OPTO3SC M8 : category 1 according to EN954-1  
OPTO3SC M8 : category 1 according to EN954-1 with safety module in mono-channel (CO13XXL)

### WIRING DIAGRAM



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M8 CONNECTOR

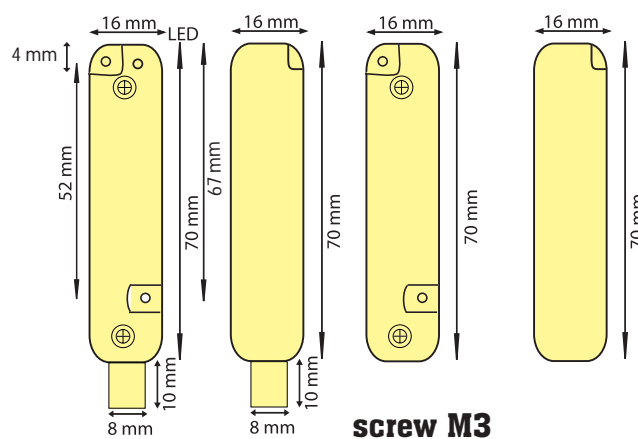
CATEGORY 1



MINIATURE RANGE

LED VIEWED VIA TRANSLUCENT ZONE

### DIMENSIONS

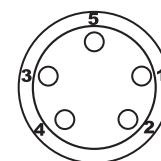


### PIN DETAILS

#### MALE INPUT CONNECTOR :

- 1 brown 24Vac/dc
- 2 white AUX PNP NO
- 3 blue 0V
- 4 black OUTPUT NO1
- 5 grey OUTPUT NO1

#### INM



### APPLICATION

Ideal for tiny access on machine and to wire in series

# OPTO4SC M8

Stand-alone without safety module

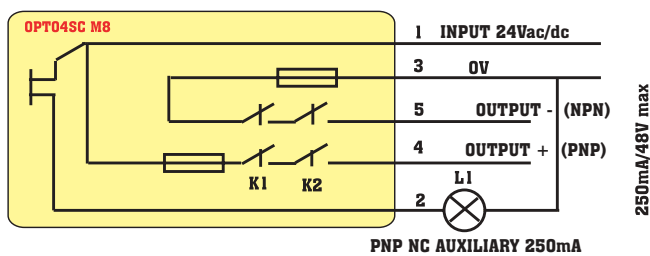
## CODED NON-CONTACT SAFETY SWITCH FOR TINY ACCESS

- Switching distance/hysteresis : 8 mm/3 mm
- LED indicating code detection
- Polycarbonate housing
- Power supply: 24 V ac/dc -15% /+10% 50 /60 Hz
- Protection class IP67
- Temperature -20°C to+60°C
- Contact output: safety contact NPN or PNP 250mA / auxiliary contact: PNP 250mA
- Temps de réponse : 4 ms

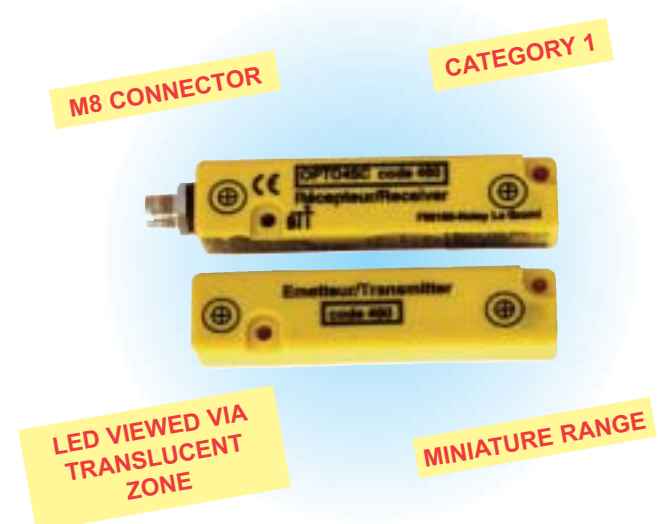
### SAFETY CATEGORY

**OPTO4SC M8** : category 1 according to EN954-1  
**OPTO4SC M8** : category 4 if wired alone with a safety module like AWAX26XXL  
 \* Category 2 if wired in series

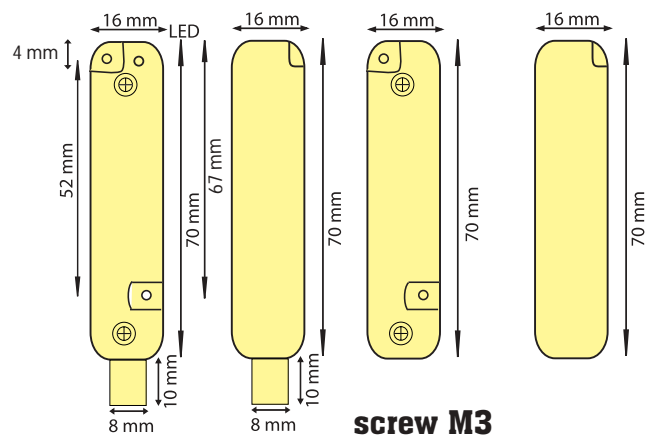
### WIRING DIAGRAM



cat.1



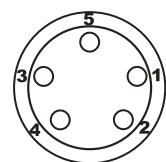
### DIMENSIONS



### PIN DETAILS

Male input connector :  
 1 brown 24Vac/dc  
 2 white AUX PNP NO  
 3 blue 0V  
 4 black OUTPUT PNP  
 5 grey OUTPUT NPN

### INM



### APPLICATION

Ideal for tiny access on machine and to wire in series