

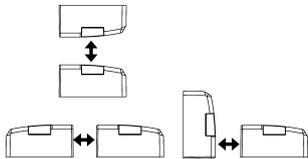
## CES-AR-CR2-CH-SA-112928 (Order no. 112928)

### Safety switch CES-AR-CL2-..., RFID, connection cable, connecting cable PVC with plug connector(s) M12

- ▶ Multicode
- ▶ Monitoring output door position OUT D
- ▶ Connecting cable PVC, 2 m, plug connector M12, 8-pin
- ▶ Door hinge right



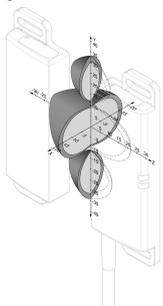
### Approach direction and installation position



Permissible installation position

### Typical operating distance

(Actuator CES-A-BLN... in conjunction with safety switch CES-AP-C.2-... in case of mounting on plastic)



[For a side approach direction for the actuator and safety switch, a minimum distance of  \$s = 6 \text{ mm}\$  must be maintained so that the actuating range of the side lobes is not entered.](#)

#### Attention:

The actuating range may vary depending on the actuator, substrate material and installation situation. Further actuating ranges can be found in the operating instructions.

### Multicode evaluation

The system checks whether the actuator type is one that can be recognized by the system (multicode evaluation). The system has a low coding level. Every suitable actuator is recognized by the switch.

### Safety characteristics

Thanks to two redundant safety outputs (semiconductor outputs) with internal monitoring, the device is suitable for:

- ▶ Category 4 /PL e according to EN 13849-1
- ▶ SIL 3 according to EN IEC 62061 Table 4

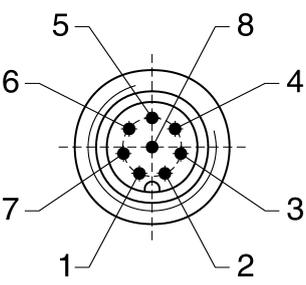
The OSSD outputs used check their function for short circuits and short circuits with test pulses.

## LED indicator

STATE Status LED

DIA Diagnostics LED

## Terminal assignment

Plug connector (view of connection side)	Pin	Designation	Function	Connecting cable conductor coloring
	1	IB	Enable input, channel B	WH
	2	UB	Electronics operating voltage, 24 V DC	BN
	3	OA	Safety output, channel A	GN
	4	OB	Safety output, channel B	YE
	5	OUT	Monitoring output	GY
	6	IA	Enable input for channel A	PK
	7	0 V	Weight 0 V DC	BU
	8	RST	Reset input	RD

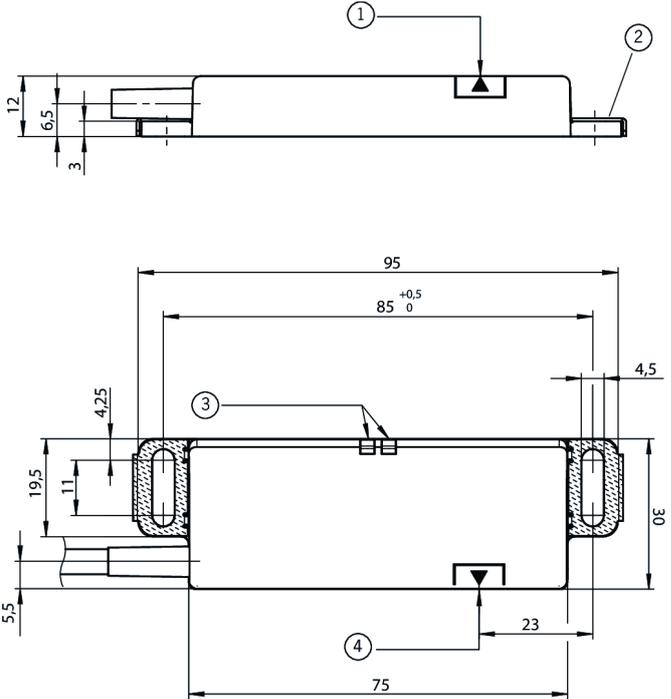
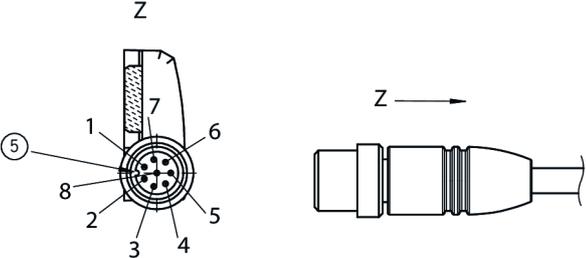
## Scope of delivery

- ▶ 2 x safety screws M4x14

## Accessories required

Actuator is not included.

**Dimensional drawings**



- 1 Active face
- 2 Fastening lug with reinforcement plate
- 3 LED status indication
- 4 Active face
- 5 Coding lug