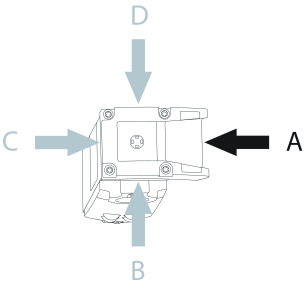
CET4-AP-CRA-CH-50X-SA-122413 (Order no. 122413)

Safety switch with guard locking CET-AP-..., RFID, plug connector(s) M12

- Open-circuit current principle
- Multicode
- Monitoring output guard locking OUT
- Monitoring output door position OUT D
- Plug connector M12, 8-pin

Approach direction



Horizontal
Can be adjusted in 90° steps

Guard locking principle

Open-circuit current (power on to lock): On a guard with guard locking based on the open-circuit current principle, the guard is locked until the power supply to the guard locking solenoid is interrupted. Unlocking is by spring force. The term electrical guard locking is also used.

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:

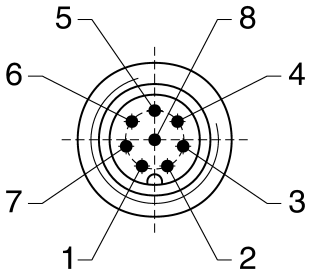
- Category 4 /PL e according to EN 13849-1
- SIL 3 according to EN IEC 62061 Table 4

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

LED indicator

LED STATE	Status LED
DIA LED	Diagnostics LED
LED 1 rd	illuminates when the solenoid is energized
LED 2 gn	illuminates when door is closed

Terminal assignment

Plug connector (view of connection side)	Pin	Designation	Function	Connecting cable conductor coloring
	1	UCM	Solenoid operating voltage, 24 V DC	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	OUT D	Door position monitoring output	PK
	7	0 V UB	Electronics operating voltage, 0 V DC	BU
	8	0V UCM	Solenoid operating voltage, 0 V DC	RD

Accessories required

Actuator is not included.

The safety switch can only be actuated in conjunction with the actuators provided for this purpose.