

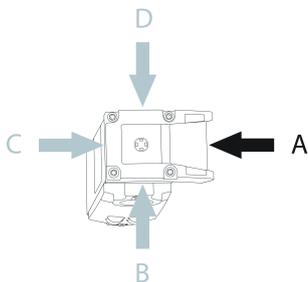
CET3-AR-CRA-CH-50F-SG-C2290-110905 (Order no. 110905)

Safety switch with guard locking CET-AR-..., RFID, plug connector M12, wire front release (bowden), escape release

- ▶ Closed-circuit current principle
- ▶ Multicode
- ▶ Monitoring output guard locking OUT
- ▶ Monitoring output door position OUT D
- ▶ 2 x plug connector(s) M12, 5-pin and 8-pin
- ▶ Escape release, 75 mm long
- ▶ Wire front release (bowden), 3 m, automatic return



Approach direction



Horizontal

Can be adjusted in 90° steps

Guard locking principle

Power to unlock: On a guard with guard locking based on the closed-circuit current principle, the guard is locked by spring force until the guard locking solenoid is supplied with power. Unlocking is by solenoid force. The term mechanical 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.

Wire front release (bowden)

The wire front release permits remote unlocking of the guard locking via a pull wire. Flexible routing of the pull wire permits release of the guard locking in inaccessible installation situations.

Important: The wire front release (bowden) is not a safety function.

Escape release

This is used for manual release of guard locking from the danger zone without tools.

LED indicator

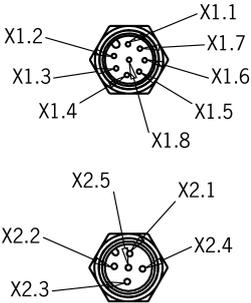
LED STATE Status LED

DIA LED Diagnostics LED

LED 1 rd freely configurable

LED 2 gn illuminates when door is closed

Terminal assignment

Plug connector (view of connection side)	Pin	Designation	Function	Connecting cable conductor coloring
	X 1.1	IB	Enable input, channel B	WH
	X 1.2	UB	Electronics operating voltage, 24 V DC	BN
	X 1.3	OA	Safety outputs channel A 	GN
	X 1.4	OB	Safety outputs channel B 	YE
	X 1.5	OUT	Guard lock monitoring output	GY
	X 1.6	IA	Enable input, channel A	PK
	X 1.7	0 V UB	Electronics operating voltage, 0 V DC	BU
	X 1.8	RST	Reset input	RD
	X 2.1	0 V UCM	Solenoid operating voltage, 0 V DC	BN
	X 2.2	OUT D	Door position monitoring output	WH
	X 2.3	LED 1	LED 1 red, freely assignable, 24 V DC	BU
	X 2.4	UCM	Solenoid operating voltage, 24 V DC	BK
	X 2.5	FE	Functional earth	GY

Accessories required

Actuator is not included.