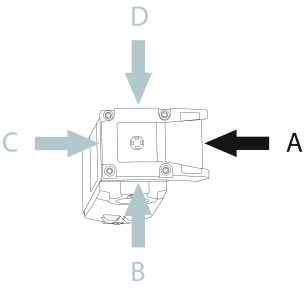
CET3-AP-CRA-AH-50F-SH-C2312-119106 (Order no. 119106)

Safety switch with guard locking CET-AP-..., RFID, plug connector(s) M23 (RC18), escape release

- Closed-circuit current principle
- Unicode
- Monitoring output guard locking OUT
- Monitoring output door position OUT D
- Teach-in input J
- Plug connector(s) M23 (RC18), 19-pole
- Escape release, 105 mm long

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.

Unicode evaluation

Each actuator is highly coded (unicode). The switch detects only taught-in actuators. Additional actuators can be taught-in.
Only the last actuator taught-in is detected.

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

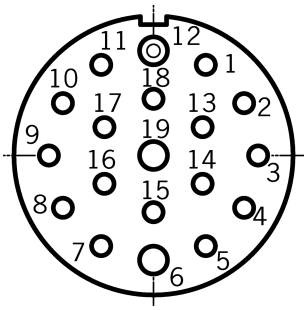
The OSSD outputs used check their function for short circuits and short circuits with test pulses.

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	illuminates when the solenoid is energized
LED 2 gn	illuminates when door is closed

Plug connector (view of connection side)	Pin	Designation	Function	Connecting cable conductor coloring
	1	UCM	Solenoid operating voltage, 24 V DC	VT
	2	–	n.c.	–
	3	–	n.c.	–
	4	OA	Safety outputs channel A	RD/BU
	5	OB	Safety outputs channel B	GN
	6	UB	Electronics operating voltage, 24 V DC	BU
	7	RST	Reset input	GY/RD
	8	OUT D	Door position monitoring output	GN/WH
	9	–	n.c.	–
	10	OUT	Guard lock monitoring output	GY/WH
	11	–	n.c.	BK
	12	FE	Function earth (This connection must be connected to 0 V.)	GN/YE
	13	J	Teach-in input (connect to 24 V DC to teach in a new actuator, leave open during normal operation).	PK
	14	–	n.c. (do not connect to 0V!)	–
	15	–	n.c.	BN/GY
	16	–	n.c.	BN/YE
	17	–	n.c.	–
	18	0V UCM	Solenoid operating voltage, 0 V DC	YE
	19	0 V UB	Electronics operating voltage, 0 V DC	BN