CTP-L1-AP-U-HA-AEE-SH-137342 (Order no. 137342)

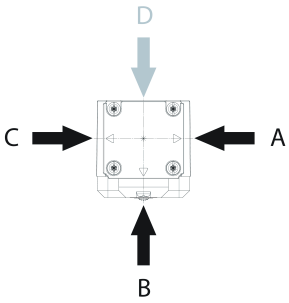
Safety switch with guard locking CTP-AP EXTENDED, RFID, plug connector(s) M23 (RC18), escape release

- Extended (2 illuminated pushbuttons)
- Closed-circuit current principle
- Unicode
- Monitoring output door position OD
- Monitoring output diagnosis OI
- Guard lock monitoring output OL
- Plug connector(s) M23 (RC18), 19-pole
- Escape release

Version Extended

The Extended version includes additional control and display elements.

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.

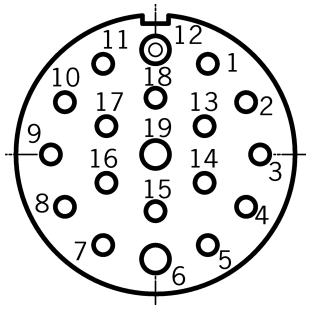
Unicode evaluation

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.

Escape release

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

Terminal assignment

Plug connector (view of connection side)	Pin	Designation	Function	Connecting cable conductor coloring
	1	IMP	Electronics operating voltage, 24 V DC	VT
	2	–	n.c.	RD
	3	–	n.c.	GY
	4	FO1A	Safety outputs channel A	RD/BU
	5	FO1B	Safety outputs channel B	GN
	6	UB	Operating voltage electronics, controls/indicators 24 V DC	BU
	7	RST	Reset input	GY/PK
	8	OD	Door position monitoring output	GN/WH
	9	OI	Diagnostic monitoring output	YE/WH
	10	OL	Guard lock monitoring output	GY/WH
	11	–	n.c.	BK
	12	FE	Functional earth (must be connected to meet the EMC requirements)	GN/YE
	13	IMM	Solenoid operating voltage, 0 V DC	PK
	14	–	n.c.	BN/GY
	15	S2	Pushbutton 2 (illuminated)	BN/YE
	16	H2	LED 2	BN/GN
	17	S3	Pushbutton 3 (illuminated)	WH
	18	H3	LED 3	YE
	19	0 V UB	Operating voltage electronics, controls/indicators 0 V DC	BN