

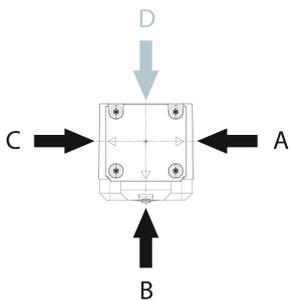
CTP-L1-AP-U-HA-AE-SH-123375 (Order no. 123375)

Safety switch with guard locking CTP-AP, RFID, plug connector M23, escape release

- ▶ 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



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

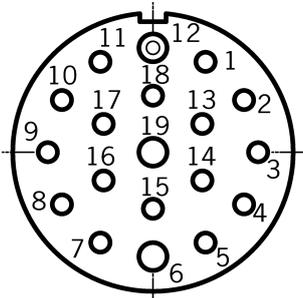
Each actuator is highly coded (unicode). The switch detects only taught-in actuators. Additional actuators can be taught-in.

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	Solenoid 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	Electronics operating voltage, 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	-	n.c.	PK
	14	-	n.c.	BN/GY
	15	-	n.c.	BN/YE
	16	-	n.c.	BN/GN
	17	-	n.c.	WH
	18	IMM	Solenoid operating voltage, 0 V DC	YE
	19	0 V UB	Electronics operating voltage, 0 V DC	BN

Accessories required

Actuator is not included.

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