

Safety switch TZ with guard locking and guard locking monitoring



- ▶ **Emergency unlocking on the front**
- ▶ **Two LED indicators, red and green**
- ▶ **Plug connector**
- ▶ **Actuator head fitted left or right**



Approach direction

Horizontal
Adjustable in 90° steps

Emergency unlocking

Is used for the manual release of the guard locking without tools. The emergency unlocking mechanism must be returned to the locked state manually.

Solenoid operating voltage and LED function display

The following voltage ranges are available:
▶ 24 V AC/DC -15%, +10%

Guard locking types

- TZ1** Closed-circuit current principle, guard locking by spring force. Release by applying voltage to the solenoid.
- TZ2** Open-circuit current principle, guard locking by applying voltage to the solenoid. Release by spring force.

Switching elements (see also page 13/14)

- SK** For monitoring the door/actuator position
- ÜK** For monitoring the guard locking (built-in solenoid)

For combinations available, see ordering table:

- ▶ **528H** Slow-action switching contact
1 NC ⊖ + 1 NO

- ▶ **2121H** Slow-action switching contact
4 NC ⊖

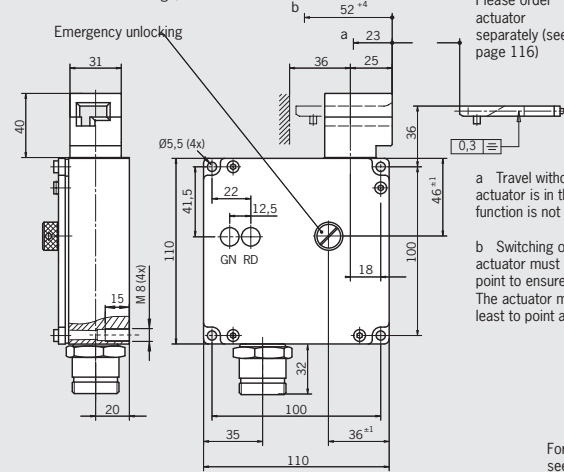
Plug connector MR8
7-pin + PE



Plug connector MR10
9-pin + PE

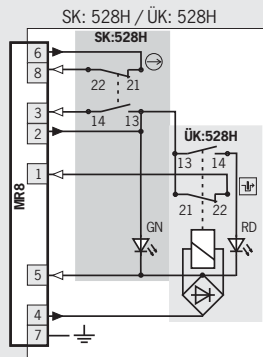
Dimension drawings

(actuator head on the left is a mirror image)



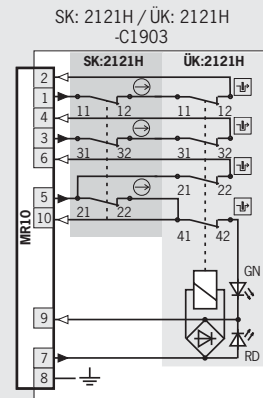
For mating connectors, see page 131

Wiring diagrams actuator inserted and locked



For switching functions, see technical data on page 180

- Solenoid monitoring
- Door monitoring



For switching functions, see technical data on page 180

- Solenoid monitoring
- Door monitoring

Ordering table

Series	Connection	Guard locking	Switch head	Switching element	Version	Black cover		Red cover	
						24 V		24 V	
TZ	MR8 Plug connector	1 Mechanical	LE Left	SK: 528H, 1 NC ⊖ + 1 NO ÜK: 528H, 1 NC ⊕ + 1 NO	Emergency unlocking cannot be sealed	054964 TZ1LE024PGOR8C	-	-	-
			RE Right	SK: 528H, 1 NC ⊖ + 1 NO ÜK: 528H, 1 NC ⊕ + 1 NO	Emergency unlocking cannot be sealed	059920 TZ1RE024PGOR8C	-	-	-
	MR10 Plug connector	1 Mechanical	LE Left	SK: 2121H, 4 NC ⊖ ÜK: 2121H, 4 NC ⊕	Emergency unlocking cannot be sealed	-	082095 TZ1LE024BHA-C1903	-	-
			RE Right	SK: 2121H, 4 NC ⊖ ÜK: 2121H, 4 NC ⊕	Emergency unlocking cannot be sealed	-	082096 TZ1RE024BHA-C1903	-	-
		2 Electrical	LE Left	SK: 2121H, 4 NC ⊖ ÜK: 2121H, 4 NC ⊕	Emergency unlocking cannot be sealed	-	082083 TZ2LE024BHA-C1903	-	-
			RE Right	SK: 2121H, 4 NC ⊖ ÜK: 2121H, 4 NC ⊕	Emergency unlocking cannot be sealed	-	082084 TZ2RE024BHA-C1903	-	-