

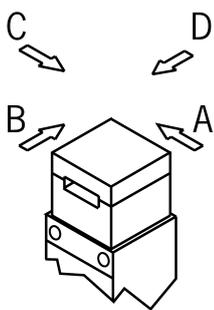
## TZ1RE024SEM4AS1 (Order no. 086141)

### Safety switch TZ ASi, plug connector M12

- ▶ AS-Interface
- ▶ Plug connector M12, 4-pin
- ▶ Auxiliary release
- ▶ LED indicator
- ▶ Actuating head fitted right
- ▶ Closed-circuit current principle



### 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.

### Control of the guard locking solenoid

The guard locking solenoid is controlled via AS-Interface bit D0. In order to achieve safe control of the guard locking, the auxiliary voltage must also be switched safely.

### Auxiliary voltage

The ASi auxiliary voltage is required to supply the guard locking solenoid.

### AS-Interface inputs

D0, D1 Positively driven contact 1

D2, D3 Positively driven contact 2

## **AS-Interface outputs**

D0 Control of guard locking

D1 LED red

D2 LED green

## **LED indicator**

The Power LED indicates the operating voltage on the bus.

The Fault LED indicates if a fault has been detected on the AS-Interface bus.

The green and the red LEDs can be controlled as required by the control system via the bus using bits D1 and D2.

## **Auxiliary release**

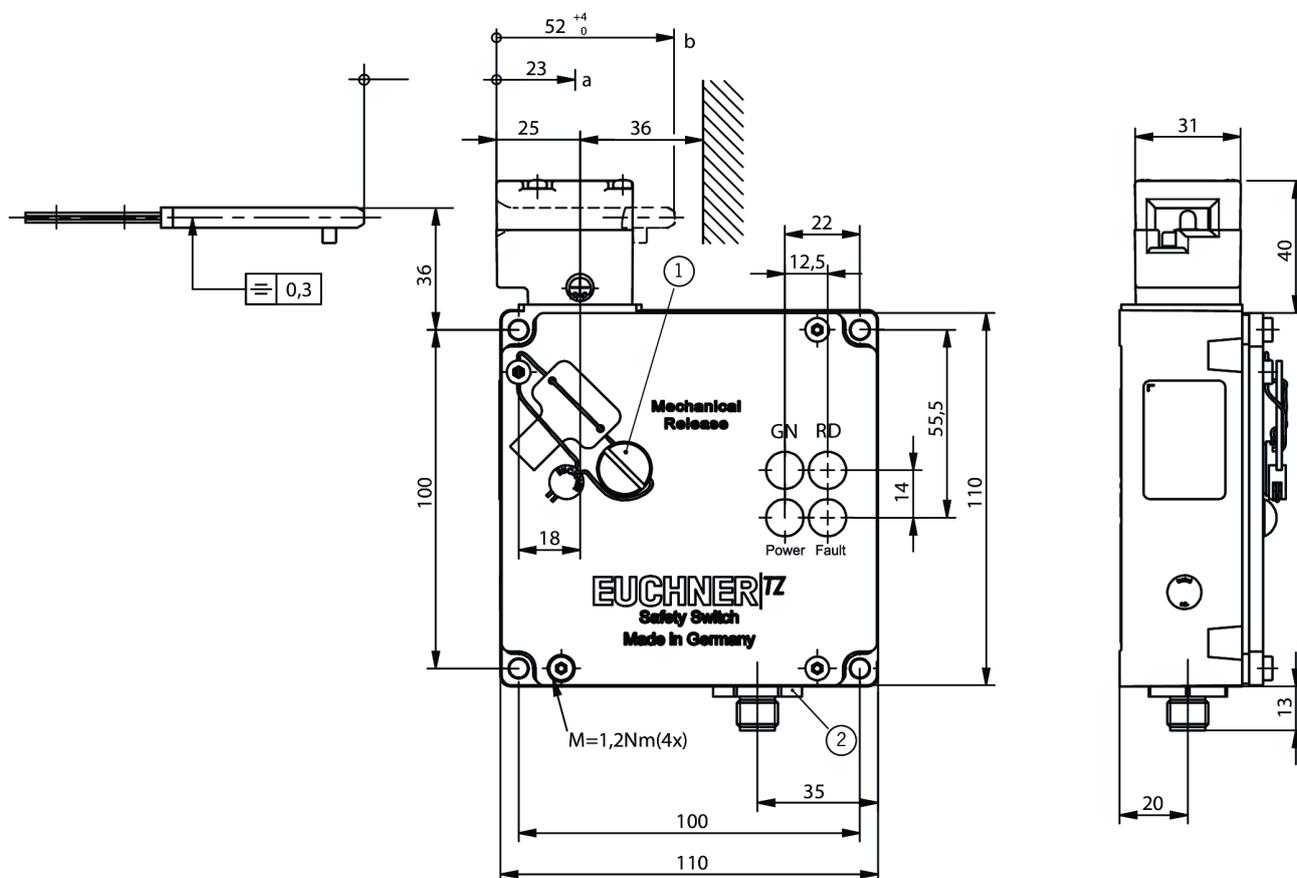
The auxiliary release on the front makes it possible to access the machine if there is a malfunction, e.g. a power failure. Unlocking is performed using a tool or a key. The auxiliary release must be protected against misuse (sealing, lacquer).

## **Accessories required**

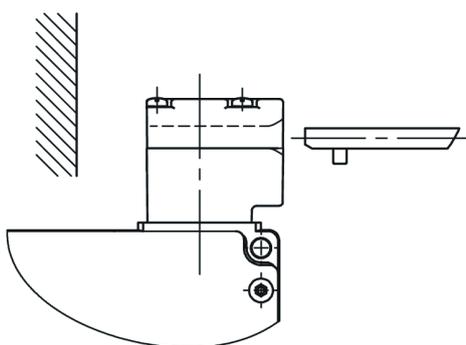
Actuator is not included.

## Dimensional drawings

### TZ.L...



### TZ.R...



1 Auxiliary release

2 Plug connector not aligned

a Travel without operation: actuator is in the guide slot, but function is not triggered.

b Switching operation completed. Actuator must be inserted to this point to ensure safe switching. The actuator must be withdrawn at least to point a for switching off.