

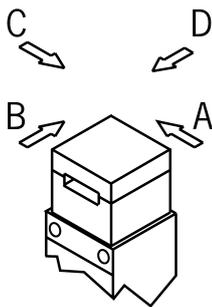
TZ1LE024SEM4AS1-C1937 (Order no. 090278)

Safety switch TZ ASi, plug connector M12, emergency release

- ▶ AS-Interface
- ▶ Plug connector M12, 4-pin
- ▶ Emergency release with rotary knob
- ▶ LED indicator
- ▶ Actuating head fitted left
- ▶ 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 Monitoring of the guard position

D2, D3 Guard lock monitoring

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.

Emergency release

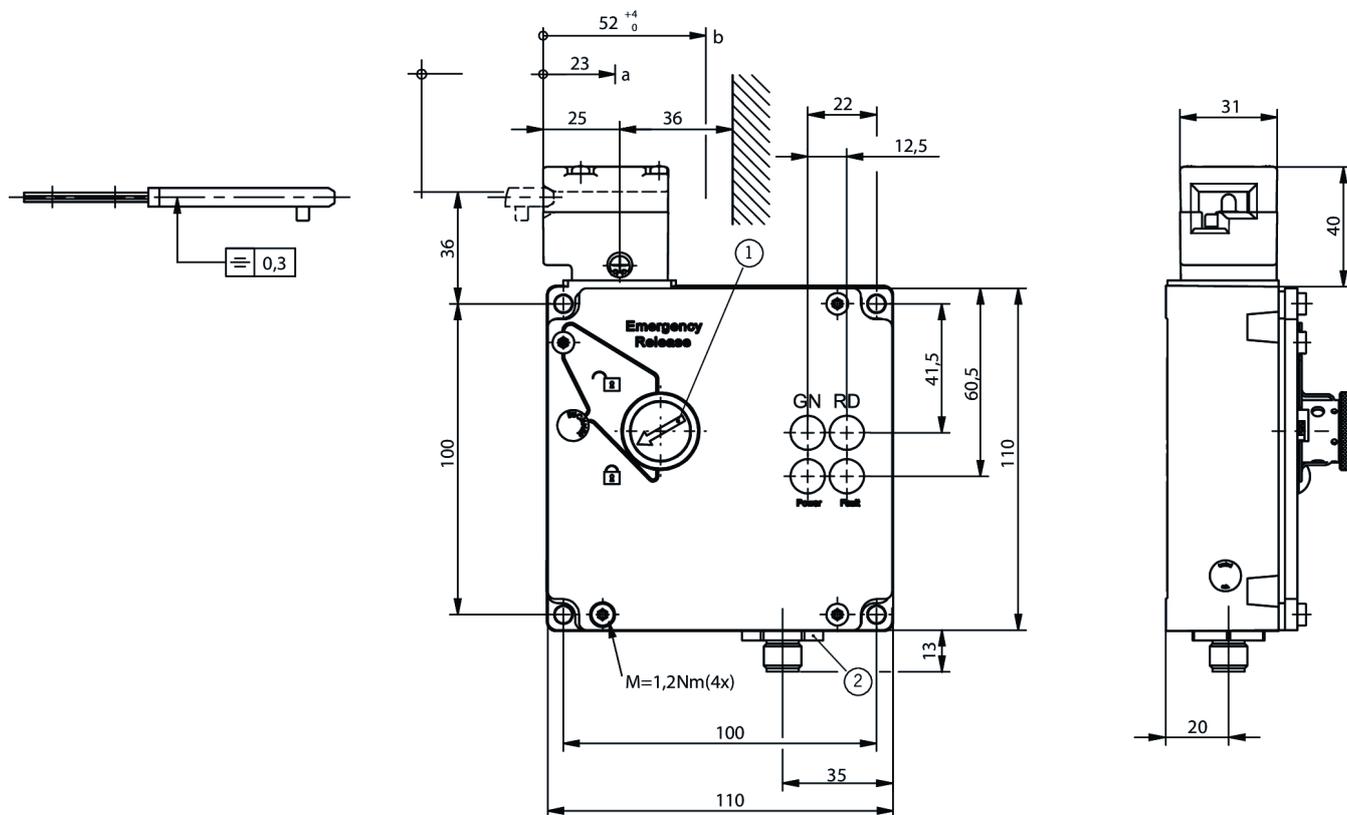
The emergency release on the front is used for manual release of the guard locking without tools in an emergency. The emergency unlocking mechanism must be returned to the locked state manually. Sealing can be fitted to protect against tampering.

Accessories required

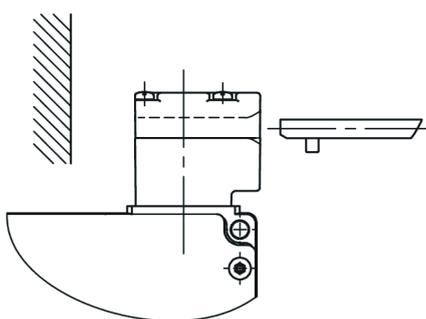
Actuator is not included.

Dimensional drawings

TZ.L...



TZ.R...



- 1 Emergency unlocking (rotary knob)
- 2 Plug connector not aligned