

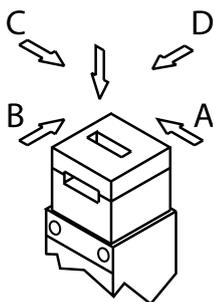
TP-BI-3-4141A024SM12 (Order no. 109408)

TP BI safety switch, plug connector(s) M12, contacts for door position

- ▶ BiState (bistable guard locking)
- ▶ Plug connector M12, 12-pin
- ▶ Contacts for the door position
- ▶ Auxiliary release



Approach direction



Horizontal and vertical

Can be adjusted in 90° steps

Increased overtravel for horizontal approach direction

If increased play is required when the door is closed, an actuator with overtravel is available. With this actuator the door can move slightly in the actuating direction when closed. This is important, for example, if safety doors have a rubber end stop. Using an actuator with overtravel, the continuous pressure from the compressed rubber can be reduced. In this way the load is reduced on the switch head and the door mechanism.

BiState (bistable guard locking)

The device has a function that prevents

- ▶ people from accidentally becoming trapped in the event of a power failure or when the machine is switched off and the safety door is open
- ▶ the activated guard locking is deactivated in the event of a power failure.

Switching element

4141 Slow-action switching contact

Contacts for guard locking: 2 positively driven contacts 

Contacts for door monitoring: 2 positively driven contacts 

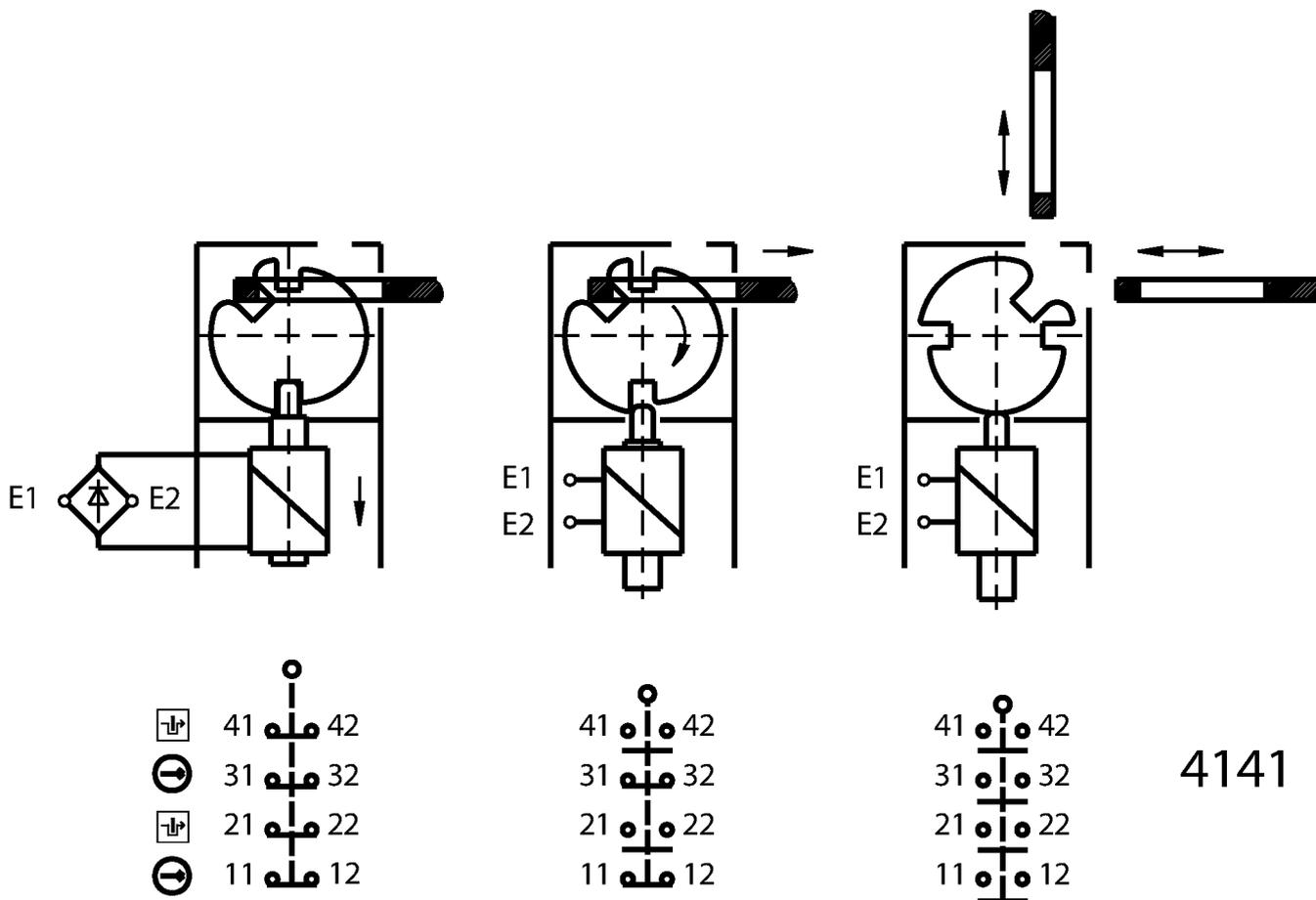
Auxiliary release

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).

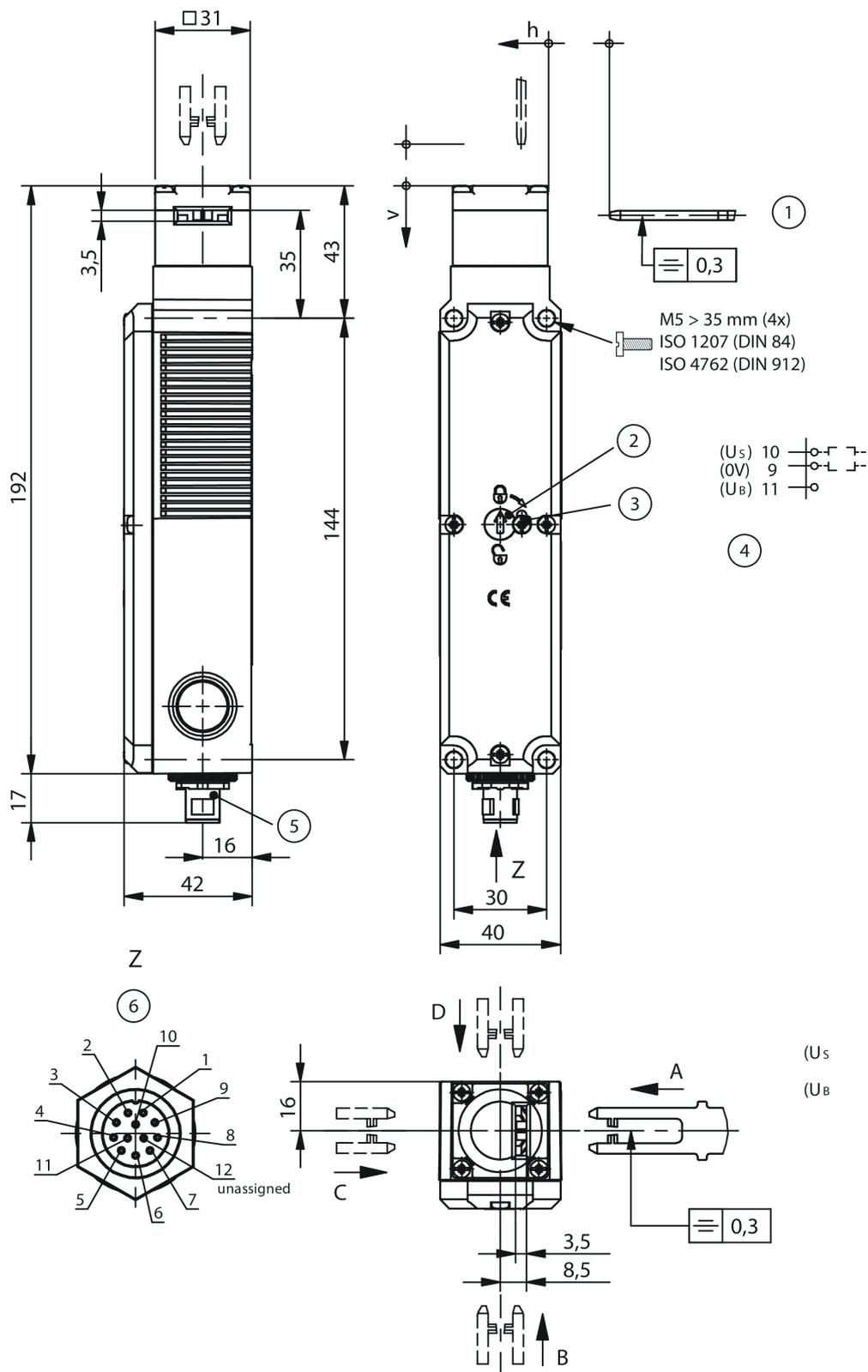
Accessories required

Actuator is not included.

Functional drawings



Dimensional drawings



- 1 Actuator
- 2 Auxiliary release
- 3 Locking screw
- 4 Pin 9 operating voltage 0 V, pin 10 control voltage +24 V (US), pin 11 operating voltage +24 V (UB)
- 5 Plug connector