

## TK2-4131AB024SM8 (Order no. 114819)

### Safety switch TK, plug connector M12

- ▶ Plug connector M12, 8-pin
- ▶ Auxiliary release on the switch head
- ▶ Without prevention of inadvertent locking position (faulty closure protection)
- ▶ Guard locking pin right
- ▶ Open-circuit current principle



### Guard locking principle

Open-circuit current (power on to lock): On a guard with guard locking based on the open-circuit current principle, the guard is locked until the power supply to the guard locking solenoid is interrupted. Unlocking is by spring force. The term electrical guard locking is also used.

### Switching element

4131 Slow-action switching contact

Contacts for guard locking: 2 positively driven contacts  + 2 NO contact

### Auxiliary release with triangular wedge

The auxiliary release on the switch head 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).

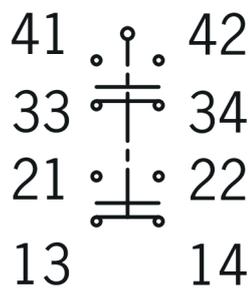
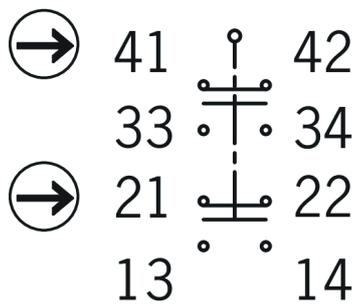
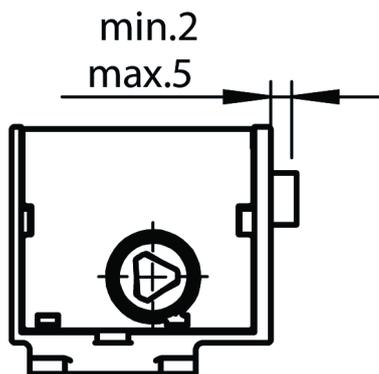
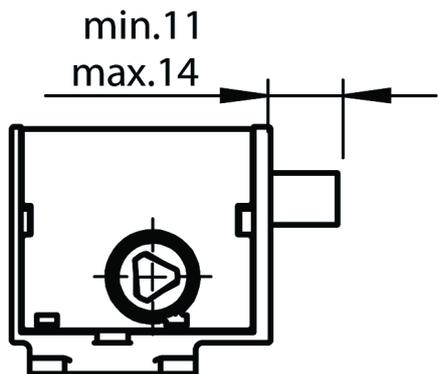
### Contact separation

When actuated, the contacts  are opened. Guard locking is not fully unlocked. The auxiliary release must be sealed to prevent tampering (e.g. with sealing lacquer).

### Without prevention of inadvertent locking position (faulty closure protection)

Safety switch TK does not have a prevention of inadvertent locking position (faulty closure protection). This must be implemented separately.

## Functional drawings



4131

