

Safety door interlocks

TZK.. type series

Spring-operated versions
with manual release

Features

- Interlocking device to EN 1088 with failsafe device
- Funnel-shaped entry with dust cap for actuator, suitable for large door tolerances
- Simpler installation in connection with mounting plate and telescopic actuators
- Manual release with 3-square socket key
- Holding force 1,750 N
- Operating head adjustable 4 x 90°
- Closed circuit-current principle (unlocked under voltage)

Cross-references

- General description: refer to page 4
- Contact configuration: see below
- Actuator: refer to page 99
- Accessories: refer to page 102
- Assembly instructions: refer to page 109
- Technical data: refer to page 110

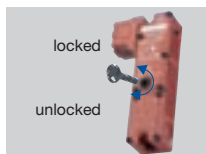
Options (on request)

- With adapter for AS-Interface Safety at Work
- Plug connection
- Other voltages



N.B.

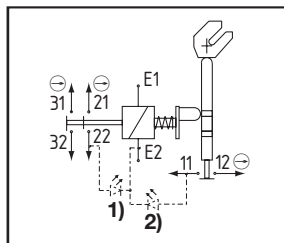
Manual release: for the manual release with 3-square socket key for maintenance, setting up, power failure etc.



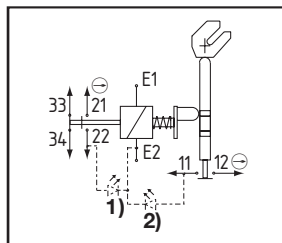
LED display: In the case of devices with LED display the NC contacts are not floating. Only sequencing circuitry may be used in which the two channels are controlled with positive potential.

Contact configurations

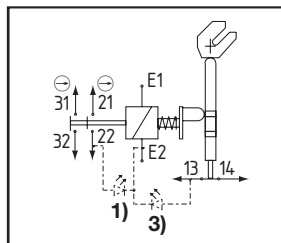
TZKF/BS



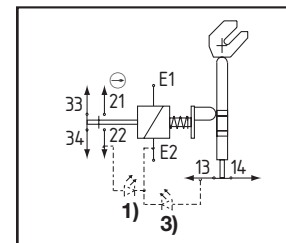
TZKF/CS



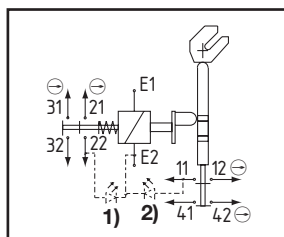
TZKF/ES



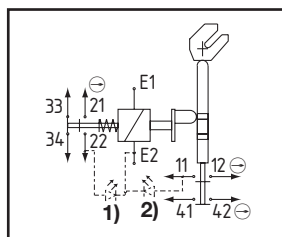
TZKF/GS



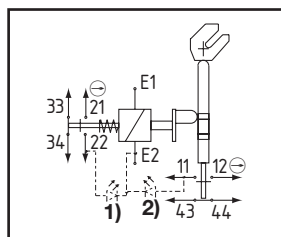
TZKF/HS



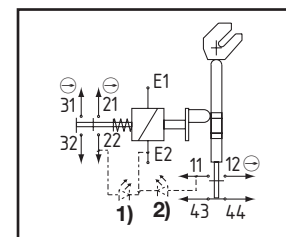
TZKF/KS



TZKF/MS



TZKF/PS



Representations of the contacts with unlocked solenoid and open guard.

LED display optional: 1) green "locked", 2) yellow "door closed", 3) yellow "door closed"

Test symbol (with respect to the basic design)

BIA 994011

A031156

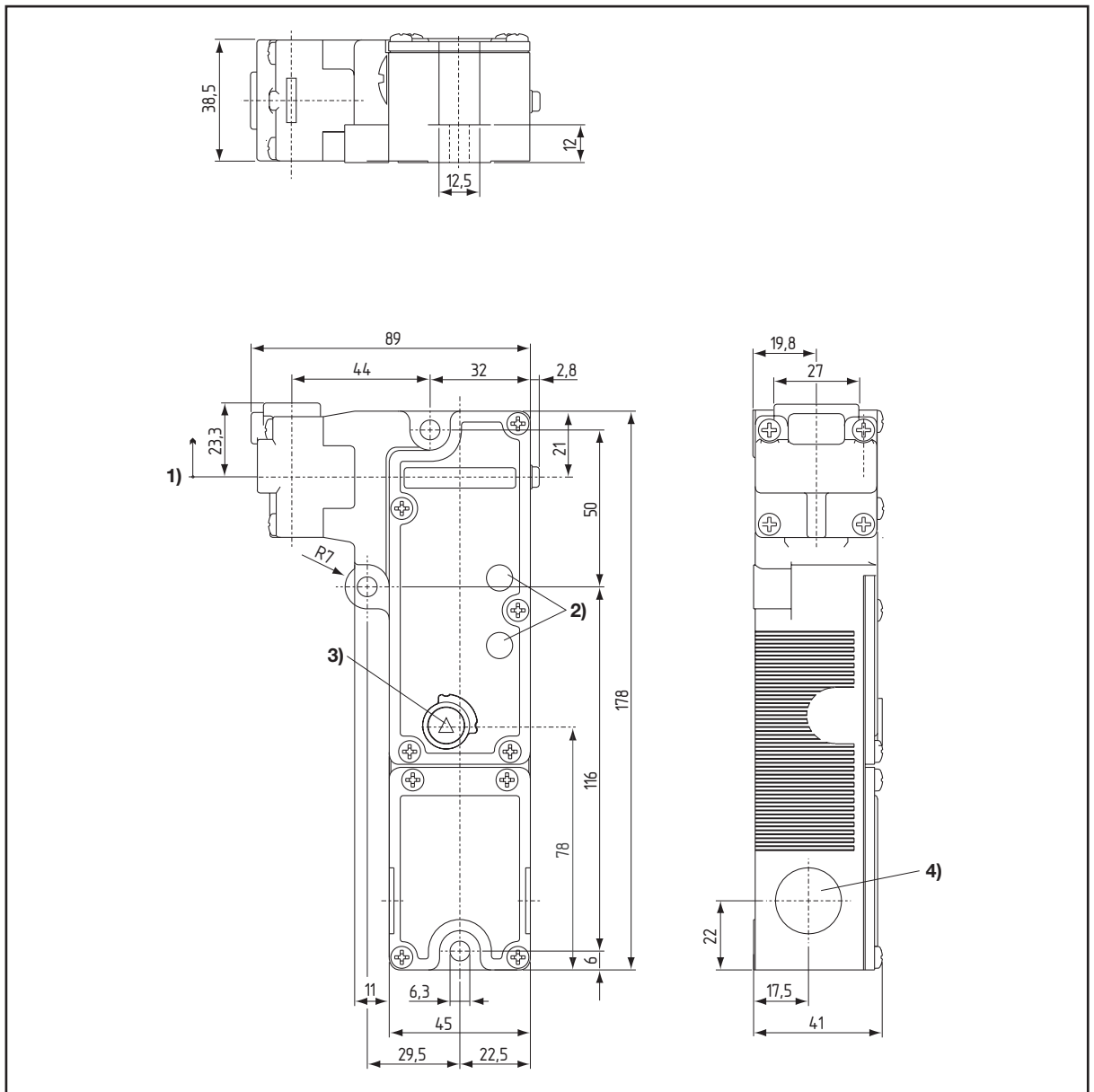
Scope of delivery

Door interlock, fixing material, disposable screws, standard 3-square socket key (refer to page 58 for further information)

Product table

Type	Version	Supply voltage	Part number
TZKF/BS	1 NC – 2 NC	24 VDC	191 5604
TZKF/BS115	1 NC – 2 NC	115 VAC	191 5606
TZKF/BS230	1 NC – 2 NC	230 VAC	191 5608
TZKF/CS	1 NC – 1 NC/1 NO	24 VDC	191 5600
TZKF/CS115	1 NC – 1 NC/1 NO	115 VAC	191 5601
TZKF/CS230	1 NC – 1 NC/1 NO	230 VAC	191 5602
TZKF/ES	1 NO – 2 NC	24 VDC	191 5610
TZKF/ES115	1 NO – 2 NC	115 VAC	191 5611
TZKF/ES230	1 NO – 2 NC	230 VAC	191 5612
TZKF/GS	1 NO – 1 NC/1 NO	24 VDC	191 5620
TZKF/GS115	1 NO – 1 NC/1 NO	115 VAC	191 5621
TZKF/GS230	1 NO – 1 NC/1 NO	230 VAC	191 5622
TZKF/HS	2 NC – 2 NC	24 VDC	191 5625
TZKF/KS	2 NC – 1 NC/1 NO	24 VDC	191 5626
TZKF/MS	1 NC/1 NO – 1 NC/1 NO	24 VDC	191 5627
TZKF/PS	1 NC/1 NO – 2 NC	24 VDC	191 5628

Dimensions TZKF/.S



- 1) Dimensional base for actuator
- 2) LED display optional
- 3) Manual release
- 4) Punch-out opening M20 x 1.5

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Spring-operated versions
with emergency release

Features

- Interlocking device to EN 1088 with failsafe device
- Funnel-shaped entry with dust cap for actuator, suitable for large door tolerances
- Simpler installation in connection with mounting plate and telescopic actuators
- Emergency release via impact button
- Holding force 1,750 N
- Operating head adjustable 4 x 90°
- Closed circuit-current principle (unlocked under voltage)

Cross-references

- General description: refer to page 4
- Contact configuration: see below
- Actuator: refer to page 99
- Accessories: refer to page 102
- Assembly instructions: refer to page 109
- Technical data: refer to page 110

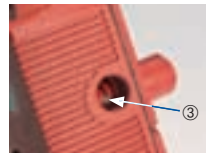
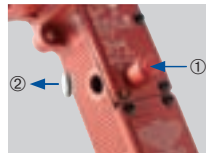
Options (on request)

- With adapter for AS-Interface Safety at Work
- Plug connection
- Other voltages



N.B.

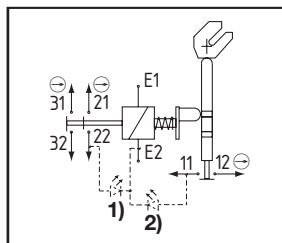
Emergency release: for the manual release by pressing the unlock button (1). Cancellation by removing the plug (2) and pressing the inner latch bolt (3). Then close plug tight again.



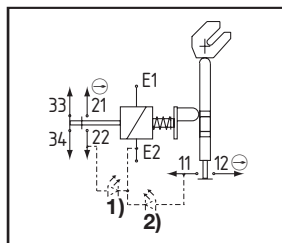
LED display: In the case of devices with LED display the NC contacts are not floating. Only sequencing circuitry may be used in which the two channels are controlled with positive potential.

Contact configurations

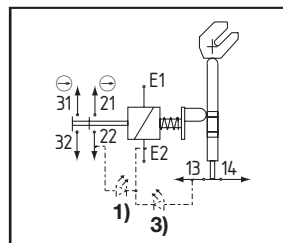
TZKF/BN



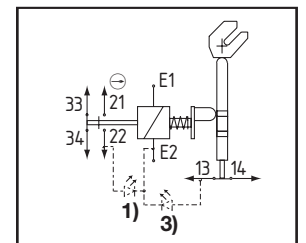
TZKF/CN



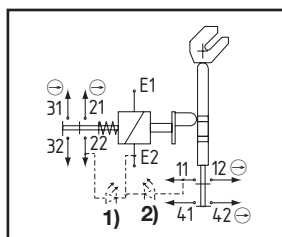
TZKF/EN



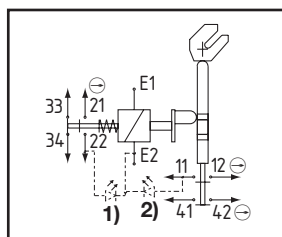
TZKF/GN



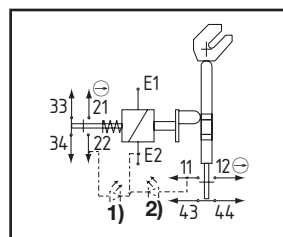
TZKF/HN



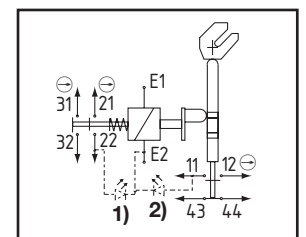
TZKF/KN



TZKF/MN



TZKF/PN



Representations of the contacts with unlocked solenoid and open guard.

LED display optional: 1) green "locked", 2) yellow "door closed", 3) yellow "door open"

Test symbol (with respect to the basic design)

BIA 994011

A031156

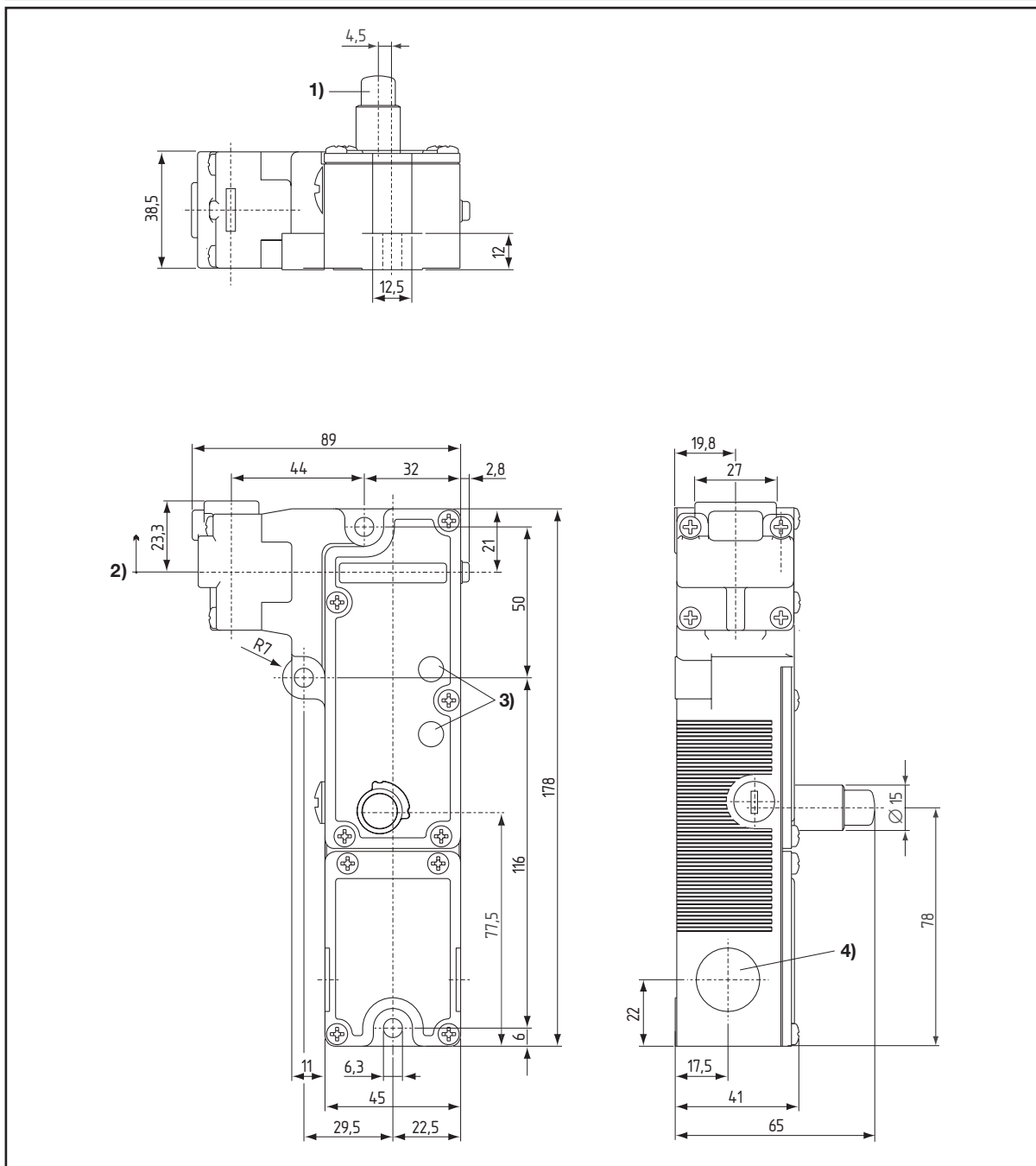
Scope of delivery

Door interlock, fixing material, disposable screws

Product table

Type	Version	Supply voltage	Part number
TZKF/BN	1 NC – 2 NC	24 VDC	191 5607
TZKF/BN115	1 NC – 2 NC	115 VAC	191 5670
TZKF/BN230	1 NC – 2 NC	230 VAC	191 5671
TZKF/CN	1 NC – 1 NC/1 NO	24 VDC	191 5603
TZKF/CN115	1 NC – 1 NC/1 NO	115 VAC	191 5672
TZKF/CN230	1 NC – 1 NC/1 NO	230 VAC	191 5673
TZKF/EN	1 NO – 2 NC	24 VDC	191 5617
TZKF/EN115	1 NO – 2 NC	115 VAC	191 5674
TZKF/EN230	1 NO – 2 NC	230 VAC	191 5675
TZKF/GN	1 NO – 1 NC/1 NO	24 VDC	191 5676
TZKF/GN115	1 NO – 1 NC/1 NO	115 VAC	191 5677
TZKF/GN230	1 NO – 1 NC/1 NO	230 VAC	191 5678
TZKF/HN	2 NC – 2 NC	24 VDC	191 5679
TZKF/KN	2 NC – 1 NC/1 NO	24 VDC	191 5680
TZKF/MN	1 NC/1 NO – 1 NC/1 NO	24 VDC	191 5681
TZKF/PN	1 NC/1 NO – 2 NC	24 VDC	191 5682

Dimensions TZKF/.N



- 1) Emergency release
- 2) Dimensional base for actuator
- 3) LED display optional
- 4) Punch-out opening M20 x 1.5