

Hinge monitoring switches

TESZ series

for 30 mm profiles

Features

- Simple installation to all popular 30 mm aluminium profiles, square tubes and conventional machine cladding.
- Material:
 - Housing: glass-fibre-reinforced thermoplastic, self-extinguishing to UL 94-V-0
 - Hinge: Al Mg Si 0.5 F25
 - Hinge pin: steel 1.4104

Cross references

- General description: refer to page 5
- Contact arrangement selectable: see below
- Calculation door angle/door gap: refer to page 30
- Assembly instructions: refer to page 31
- Technical data: refer to page 32

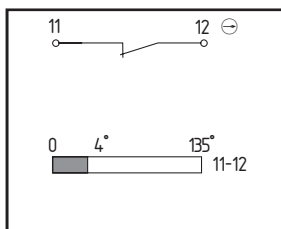
Options (on request)

- Other switching angles: 5°, 8° (standard: 4°)
- With adapter for AS Interface Safety at Work
- Plug connection

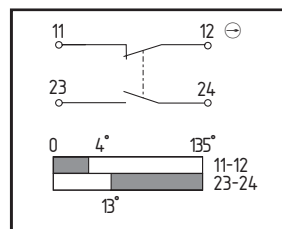


Contact configurations

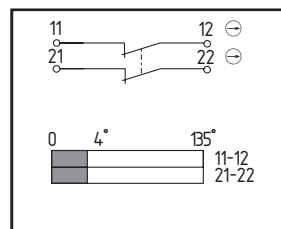
TESZ 10../30



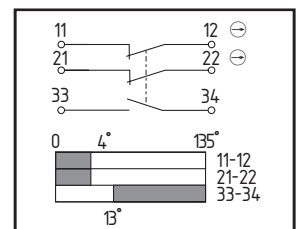
TESZ 102../30



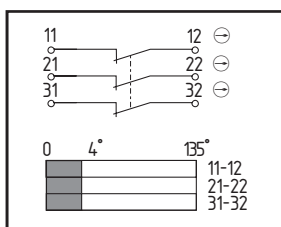
TESZ 110../30



TESZ 1102../30



TESZ 1110../30



Representation of the contacts in non-actuated state (guard closed), switching angle in new state. Tolerance 4°±2.

Hinge monitoring switches

TESZR series

for 40 mm profiles with restart inhibit

Features

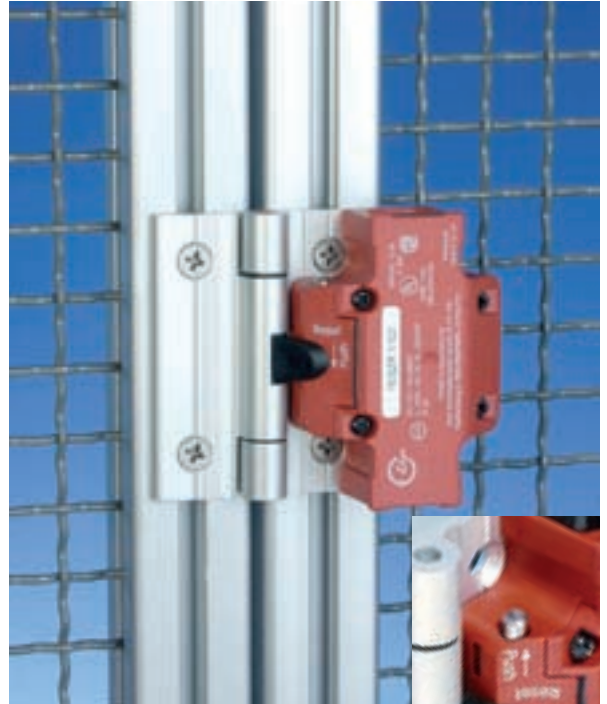
- Simple installation to all popular 40 mm aluminium profiles, square tubes and conventional machine cladding.
- With restart inhibit
- Material:
 - Housing: glass-fibre-reinforced thermoplastic, self-extinguishing to UL 94-V-0
 - Hinge: Al Mg Si 0.5 F25
 - Hinge pin: steel 1.4104

Cross references

- General description: refer to page 5
- Contact arrangement selectable: see below
- Calculation door angle/door gap: refer to page 30
- Assembly instructions: refer to page 31
- Technical data: refer to page 32

Options (on request)

- Other switching angles: 5°, 8° (standard: 4°)
- Other hinge versions
- With adapter for AS Interface Safety at Work
- Plug connection



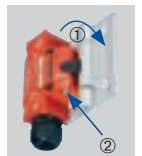
Restart inhibit

The restart inhibit prevents an unintentional restart of the hazardous movement when the guard is closed. Reset by pressing a restart button.



Picture to the left: The restart inhibit latches in when the guard is opened; safety contacts are open.

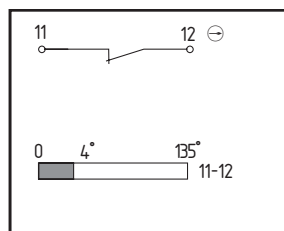
Picture to the right: After closing (1) the guard the safety contacts are held in open state by the restart inhibit. Only once the reset button (2) is pressed do the safety contacts close again.



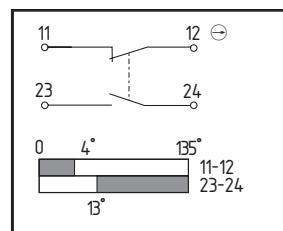
Attention: If reset of restart inhibit is used exclusively to initiate dangerous movements, switch must be replaced after max. 100,000 switching cycles.

Contact configurations

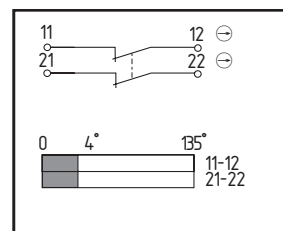
TESZR 10..



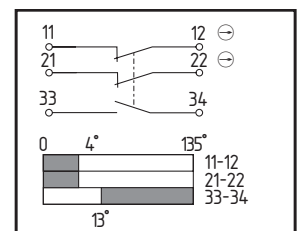
TESZR 102..



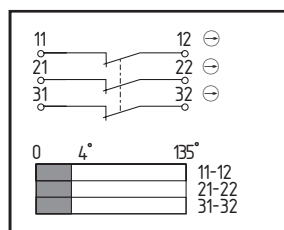
TESZR 110..



TESZR 1102..



TESZR 1110..



Representation of the contacts in non-actuated state (guard closed), switching angle in new state. Tolerance 4°-2.

Test symbol (with respect to the basic design)



in preparation

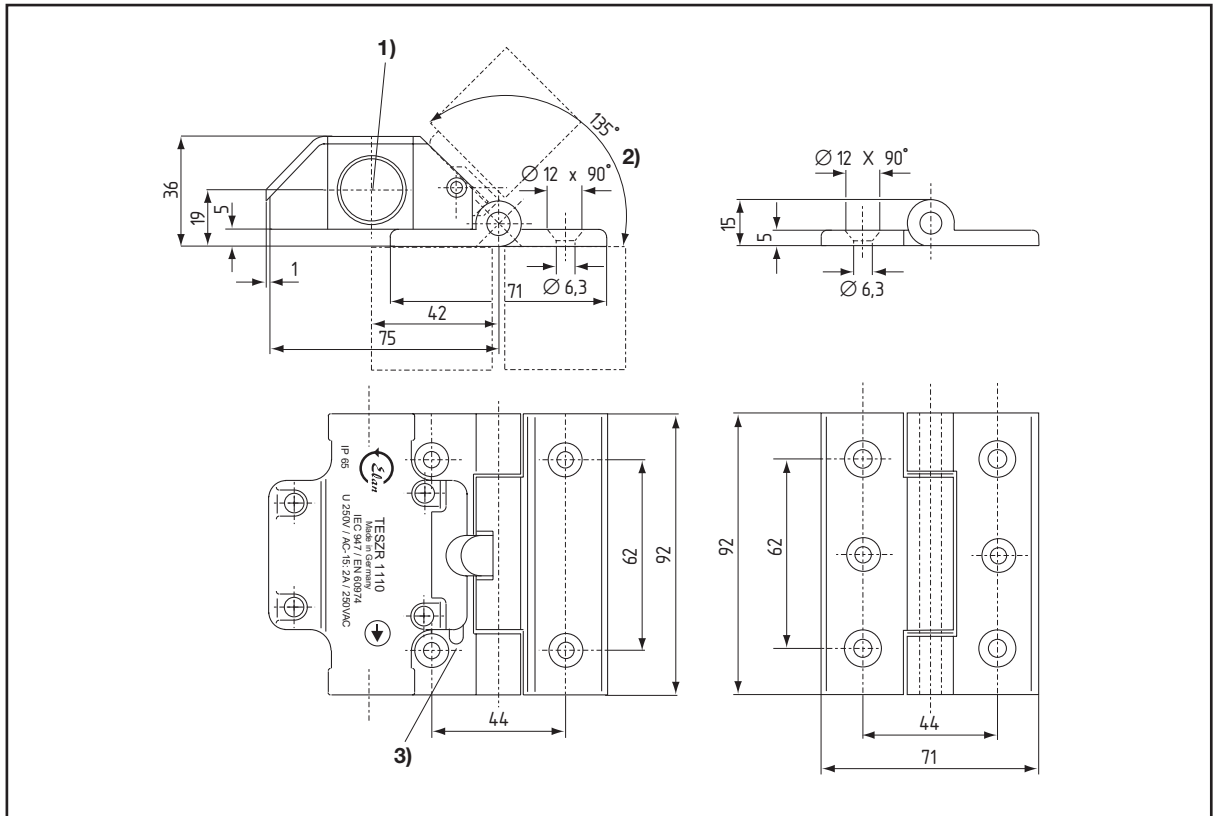
Scope of delivery

Hinge switch with or without additional hinge, fixing material

Product table

Type	Version	Part number
With additional hinge		
TESZR 10	1 NC	1348660
TESZR 102	1 NC/1 NO	1348665
TESZR 110	2 NC	1348670
TESZR 1102	2 NC/1 NO	1348675
TESZR 1110	3 NC	1348680
Without additional hinge		
TESZR 10/S	1 NC	1348661
TESZR 102/S	1 NC/1 NO	1348666
TESZR 110/S	2 NC	1348671
TESZR 1102/S	2 NC/1 NO	1348676
TESZR 1110/S	3 NC	1348681
Additional hinge		
TES/S		1348819

Dimensions TESZR ...



- 1) Punch-out bore hole M20 x 1.5
- 2) Maximum opening angle 135°
- 3) Reset button