## Metal-Enclosed Limit Switches

GC


## Recommended use

Thanks to its compact design, this metal-enclosed switch is ideally suited for virtually all safety and position monitoring applications.

## Product advantages

- Protection class IP 65 to VDE 0470T1
- Enclosure: Aluminium pressure die-casting
- Cover: Sheet aluminium
- Actuator can be repositioned by $4 \times 90^{\circ}$
- Cable entry M20 x 1.5
- Connection designation conforming to DIN EN 50013
- Metal actuators for high loads
- Graduated adjustment of AH lever
- Selectable direction-dependent contact-making of AH actuator (basic setting: contact-making both sides)


## Options

- AS interface versions on request
- Preassembled with customer-specific cables and connectors on request


## Design layout

- Slow-action and snap-action contacts
- Versions: 1 NC / 1NO, 2 NC / 2 NO, 2 NC, overlapping contacts
- All NC contacts with $\Theta$ in the circuit diagram are positively opening contacts
- Type: Zb (galvanically isolated changeover contact)
- Latching function on request


## Mounting

- 2 adjustment slots for M4 screws (for safety applications with blind hole for $\varnothing 4.0 \mathrm{~mm}$ fitted pin in enclosure base or enclosure with holes for M5)


## Installation advantages

- Screw connections with self-lifting clamping plates
- Captive cover screws
- Easy-to-change switching system thanks to snap-in retainer
- Finely adjustable switching point with adjusting screw


## Technical data

| Electrical data |  |  |
| :---: | :---: | :---: |
| Rated insulation voltage (up to) ${ }^{(1)}$ | $\mathrm{U}_{\mathrm{i}} \mathrm{max}$. | 400 V AC |
| Conventional thermal current (up to ${ }^{(1)}$ |  | 10 A |
| Rated operating voltage | $\mathrm{U}_{\mathrm{e}}$ max. | 240 V |
| Utilization category (up to) ${ }^{(1)}$ |  | $\mathrm{AC}-15, \mathrm{U}_{\mathrm{e}} / \mathrm{l}_{\mathrm{e}} 240 \mathrm{~V} / 3 \mathrm{~A}$ |
| Short-circuit protection (up to) ${ }^{(1)}$ |  | Fuse $10 \mathrm{AgL} / \mathrm{gG}$ |
| Protection class |  | I |
| Mechanical data |  |  |
| Enclosure material | Aluminiu | m pressure die-casting |
| Ambient temperature | $-30^{\circ} \mathrm{C}$ to | $+80^{\circ} \mathrm{C}$ |
| Mechanical service life (up to) ${ }^{(1)}$ | $10 \times 10^{6}$ | witching cycles |
| B10d (up to) ${ }^{(1)}$ | 20 Mill . |  |
| Switching frequency | $\leq 100 / \mathrm{m}$ |  |
| Type of connection | Screw co | nnections |
| Conductor cross sections | Single-w Stranded | ire $0.5-1.5 \mathrm{~mm}^{2}$ or wire with ferrule $0.5-1.5 \mathrm{~mm}^{2}$ |
| Cable entry | $1 \times \mathrm{M} 20$ | x 1.5 |
| Protection class | IP 65 con | forming to IEC/EN 60529 |
| Standards |  |  |
| VDE 0660 T100, DIN EN 60947-1, IEC 60947-1 <br> VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1 |  |  |

## (5)BERNSTEIN

STIW


2 NO contacts

## Approvals


(4) (8)

Replacement actuator: 3912030546

Special features / variants
(on request)


## (14) (58)

Replacement actuator: 3912050523

## Special features / variants

- Actuator length adjustable with adjusting screw


AV AD

(14) (51)

Replacement actuator: 3912360723

## Special features / variants

(on request)

- Various roller diameters
- Different lever lengths
- With roller over switch and with following contacts: 2 NC / 2 NO contact


## Special features / variants

(on request)

- Available with various actuator lengths and actuator directions
- With following contacts: 2 NC / 1 NO with overlap (larger enclosure)


## Special features / variants

(on request)

- Available with different actuating directions
- Available with steel roller
- With following contacts: 2 NC / 2 NO contact 1 NC / 2 NO with overlap (larger enclosure)


2 NO contacts


## Approvals


(14) (8)

Replacement actuator: 3912400510

## Special features / variants

(on request)

- Different spring lengths
- Different spring versions or spring rod

(14) (58)

Replacement actuator: 3912390725

Special features / variants
(on request)

- Available with various actuator lengths and actuator directions

DR


Slow-action
Snap-action


Replacement actuator: 3912410593

Special features / variants
(on request)

