## Metal bodied limit switch

Series GC
Description GC-A2Z HIW Article number 6021820175

## Operating symbol



Operating diagram


Tolerance:
Operating point $\pm 0,25 \mathrm{~mm}$;
Actuating force $\pm 10$ \%

| Electrical Data |  |  |
| :--- | :--- | :--- |
| Rated insulation voltage | $\mathrm{U}_{\mathrm{i}}$ | 400 V AC |
| Conv. thermal current | $\mathrm{I}_{\text {the }}$ | 6 A |
| Rated operational voltage | $\mathrm{U}_{\mathrm{e}}$ | 240 V |
| Utilization category |  | $\mathrm{AC}-15, \mathrm{U}_{\mathrm{e}} / \mathrm{I}_{\mathrm{e}} 240 \mathrm{~V} / 1,5 \mathrm{~A}$ |
| Direct opening action | $\Theta$ | acc.to IEC/EN $60947-5-1$, annex K |
| Short-circuit protective device |  | Fuse 6 AgG |
| Protection class |  | I |

Technical Data

| Mechanical data |  |
| :--- | :--- |
| Enclosure | Die-cast aluminium |
| Cover | Sheet aluminium |
| Actuator | Lever (sheet), roller (thermoplastic) |
| Ambient air temperature | $-30^{\circ} \mathrm{C} \ldots+80^{\circ} \mathrm{C}$ |
| Contact type | $2 \mathrm{NC}(\mathrm{B})$ |
| Mechanical life | $1 \times 10^{5}$ operating cycles |
| Switching frequency | $\leq 100 / \mathrm{min}$. |
| Assembly | $2 \times \mathrm{M} 4$ |
| Connection | 4 screw connections (M3) |
| Conductor cross-sections | Solid: $0,5 \ldots 1,5 \mathrm{~mm}^{2}$ or |
| Cable entrance | Litz wire with ferrules: $0,5 \ldots 1,5 \mathrm{~mm}^{2}$ |
| Weight | $1 \times \mathrm{M} 20 \times 1,5$ |
| Installation position | $\approx 0,17 \mathrm{~kg}$ |
| Protection type | operator definable |

ID for safety engineering
B10d
$2 \times 10^{5}$ cycles

## Actuation

The actuating device is preferably started from 1 side.
By loosening the 4 screws the actuation assembly can be rotated in 90 degree increments such that 4 actuation directions are possible. The actuation assembly is to be again fastened to the housing using the 4 screws.

| Standards |  |
| :--- | :--- |
| VDE 0660 T100, DIN EN 60947-1, IEC 60947-1 |  |
| VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1 |  |
| DIN EN ISO 13849-1 |  |

## EU Conformity

acc. to directive 2014/35/EU (Low-Voltage-Directive)

## Approvals

VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
DIN EN ISO 13849-1
acc.
Approvals $\quad$ CCC

## Notes

The switch must not be used as a stop.
The degree of protection specified (IP code) applies only to a properly closed cover and the use of an equivalent cable gland with adequate cable.

