## Metal bodied limit switch

Series SN2

## Operating symbol



Operating diagram


Tolerances

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 | $\mathrm{I}_{\text {the }}$ | 10 A |
| Rated operational voltage | $\mathrm{U}_{\mathrm{e}}$ | 240 V |
| Utilization category |  | $\mathrm{AC}^{2} 15, \mathrm{U} / \mathrm{I}_{\mathrm{e}} 240 \mathrm{~V} / 3 \mathrm{~A}$ |
| Direct opening action | $\Theta$ | acc.to IEC/EN 60947-5-1, annex K |
| Short-circuit protective device |  | Fuse 2 A gG |
| Protection class | I |  |

Technical Data

| Mechanical data |  |
| :--- | :--- |
| Enclosure | Die-cast aluminium |
| Cover | Sheet aluminium |
| Actuator | Roller (st) |
| Ambient air temperature | $-30^{\circ} \mathrm{C} \ldots+80^{\circ} \mathrm{C}$ |
| Contact type | $1 \mathrm{NC}, 1 \mathrm{NO}(\mathrm{Zb})$ |
| Mechanical life | $10 \times 10^{6}$ operating cycles |
| Switching frequency | $\leq 100 / \mathrm{min}$. |
| Assembly | $4 \times \mathrm{M} 5$ |
| Connection | 4 screw connections (M3,5) |
| 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 | $3 \times \mathrm{M} 20 \times 1,5$ |
| Installation position | $\approx 0,2 \mathrm{~kg}$ |
| Protection type | operator definable |

## Actuation

By loosening the 4 screws the actuation assembly can be rotated in 90 degree increments such that 2 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 |  |


| EU Conformity |  |
| :--- | :--- |
| acc. to directive 2014/35/EU |  |

## Approvals

${ }_{c} \mathrm{CSA}_{\text {us }}$

## Notes

The degree of protection specified (IP65) applies only to a properly closed cover and the use of an equivalent cable gland with adequate cable and fitted inserts. Unused threaded holes are to be permanently closed with appropriate fitted inserts (e.g.: blanking plugs).

