## Plastic bodied limit switch

Series IF

## Operating symbol

$1-4 \xlongequal[\text { AMP }- \text { contact assignment }]{ }$
$\Theta 2(11) \xrightarrow[+]{\text { + }}+(24) 3$

Operating diagram
Fixed positioning for safety applications
Mounting screw M5 according to DIN 912 or
 DIN EN ISO 4762


Tolerance:
Operating point $\pm 3,5^{\circ}$

| Electrical Data |  |  |
| :--- | :--- | :--- |
| Rated insulation voltage | $\mathrm{U}_{\mathrm{i}}$ | 250 V AC |
| Conv. thermal current | $\mathrm{I}_{\text {the }}$ | 10 A |
| Rated operational voltage | $\mathrm{U}_{\mathrm{e}}$ | 240 V |
| Utilization category |  | $\mathrm{AC}-15, \mathrm{U}_{\mathrm{e}} / \mathrm{l}_{\mathrm{e}} 240 \mathrm{~V} / 3 \mathrm{~A}$ |
| Direct opening action | $\Theta$ | acc. to IEC/EN 60947-5-1, annex K |
| Short-circuit protective device |  | Fuse 6 A gG |
| Protection class |  | II, totally insulated |

Technical Data

| Mechanical data |  |
| :--- | :--- |
| Enclosure | PA6 (glass fibre reinforced) |
| Cover | PA6 (glass fibre reinforced) |
| Actuator | Lever arm housing (Zn-DG), Lever (st), Roller (thermoplastic) |
| Ambient air temperature | $-25^{\circ} \mathrm{C} \ldots+70^{\circ} \mathrm{C}$ (cable in fixed position) |
| Contact type | Slow action, $1 \mathrm{NO}, 1 \mathrm{NC}$ (Zb) |
| Mechanical life | $3 \times 10^{6}$ switching cycles |
| Switching frequency | $\leq 30 / \mathrm{min}$. |
| Assembly | $2 \times \mathrm{M} 4$ or $2 \times \mathrm{M} 5$ |
| Connection | plug socket (AMP SUPERSEAL 1,5 Series) |
| Weight | $\approx 0,08 \mathrm{~kg}$ |
| Installation position | operator definable |
| Protection type | IP67 acc. to IEC/EN 60529; DIN VDE 0470 T1 |

## Actuation

Operating direction: from 2 sides
The actuating head can be turned in steps of $90^{\circ}$ by lifting the clamp. This means that it can be approached from 8 different directions.

ID for safety engineering
B10d $6 \times 10^{6}$ cycles

| 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 2006/42/EC |
| :--- | :--- |


| Approvals |  |
| :--- | :--- |
|  | ${ }_{C} \mathrm{CSA}_{\text {US }}$ |
| $\mathrm{A} 300, \mathrm{Q} 300$ |  |

[^0]
[^0]:    Notes
    The indicated protection class (IP-code) is only valid when the actuator is correctly mounted and a corresponding plug is used.

