## Series D

Operating symbol


Operating diagram



ON OFF

## 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 | $\mathrm{I}_{\text {the }}$ | 16 A |
| Rated operational voltage | $\mathrm{U}_{\mathrm{e}}$ | 240 V |
| Utilization category |  | $\mathrm{AC}-15, \mathrm{U}_{\mathrm{e}} / I_{\mathrm{e}} 240 \mathrm{~V} / 3 \mathrm{~A}$ |
| Direct opening action | $\Theta$ | acc. to IEC/EN 60947-5-1, Annex K |
| Short-circuit protective device |  | Fuse 10 AgG |
| Protection class |  | I |

Metal Switches

## Mechanical data

| Enclosure | Die-cast aluminium |
| :--- | :--- |
| Cover | Sheet aluminium |
| Actuator | Lever with roller (st) |
| Ambient air temperature | $-30^{\circ} \mathrm{C} \ldots+120^{\circ} \mathrm{C}$ |
| Contact type | $1 \mathrm{NC}, 1 \mathrm{NO}(\mathrm{Za})$ |
| Mechanical life | $10 \times 10^{6}$ operating cycles |
| Switching frequency | $\leq 100 / \mathrm{min}$. |
| Assembly | $4 \times \mathrm{M} 5$ |
| Connection | 4 screw terminals (M4) |
| Conductor cross-sections | Solid: $0.5 \ldots 1.5 \mathrm{~mm}^{2}$ |
|  | Litz wire with ferrules: $0.5 \ldots 1.5 \mathrm{~mm}^{2}$ |
| Cable entrance | $2 \times \mathrm{M} 20 \times 1.5$ |
| Weight | $\approx 0.38 \mathrm{~kg}$ |
| Installation position | Operator definable |
| Protection type | IP65 acc. to IEC/EN 60529 |

## ID for safety engineering

B10d
$20 \times 10^{6}$ switching cycles

## Actuation

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 |
| EU Conformity | acc. to directive 2006/95/EC |
| Approvals |  |
| CSA A300 |  |
| Notes |  |

The degree of protection specified (IP code) applies only to a properly closed cover.

