

# Metal bodied limit switch

## Series GC

Description **GC-SU1Z KGW**

Article number **6021180251**

**Operating symbol**

**Operating diagram**

On  
 Off

Tolerance:  
 Operating Point  $\pm 0,25$  mm;  
 Actuating force  $\pm 10$  %

The push bolt actuator is mainly intended to be actuated along its axis.

Blind hole for fitting pin  
 $\varnothing 4$ ; 5.5 deep

|   |     |     |     |     |     |   |
|---|-----|-----|-----|-----|-----|---|
| B | m/s | 0,1 | 0,5 | 1   | 2   | 5 |
| A |     | -   | -   | -   | -   | - |
| B |     | 40° | 40° | 30° | 20° | - |

| Electrical Data                 |           |                                   |
|---------------------------------|-----------|-----------------------------------|
| Rated insulation voltage        | $U_i$     | 400 V AC                          |
| Conv. thermal current           | $I_{the}$ | 10 A                              |
| Rated operational voltage       | $U_e$     | 240 V                             |
| Utilization category            |           | AC-15, $U_e/I_e$ 240 V / 3 A      |
| Positive opening NC contact     | $\ominus$ | acc. to IEC/EN 60947-5-1, Annex K |
| Short-circuit protective device |           | Fuse 2 A gG                       |
| Protection class                |           | I                                 |

| Mechanical data          |   |
|--------------------------|---|
| Enclosure                | Die-cast aluminium  |
| Cover                    | Sheet aluminium   |
| Actuator                 | Lever (steel), Roller (thermoplastic)   |
| Ambient air temperature  | -30° C ... +80° C   |
| Contact type             | 1 NC, 1 NO (Zb)   |
| Mechanical life          | 10 x 10 <sup>6</sup> operating cycles   |
| Switching frequency      | ≤ 100 / min.  |
| Assembly                 | 2 x M4  |
| Connection               | 4 screw connections (M3,5)  |
| Conductor cross-sections | Solid: 0,5 ... 1,5 mm <sup>2</sup> or<br>Litz wire with ferrules: 0,5 ... 1,5 mm <sup>2</sup> |
| Cable entrance           | 1 x M20 x 1,5   |
| Weight                   | ≈ 0,16 kg   |
| Installation position    | operator definable  |
| Protection type          | IP65 acc. to IEC/EN 60529   |

| Actuation   |
|---|
| <p>The actuating device is preferably started from 1 side.<br/>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.</p> |

| Standards        |
|------------------|
| DIN EN 60947-5-1 |

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

| Approvals                                |
|--|
| c_CSA <sub>US</sub> A300 (same polarity) |
| CCC                                      |

| Notes  |
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| The degree of protection (IP code) specified applies solely to a property closed cover and the use of an equivalent cable gland with adequate cable. |