

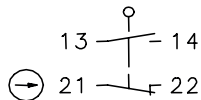
## Metal bodied limit switch

### Series GC

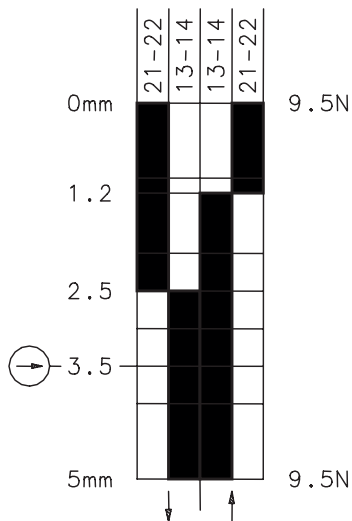
Description **GC-SU1Z KNW**

Article number **6121377850**

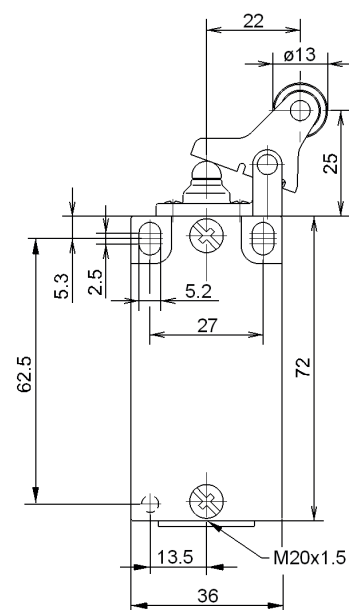
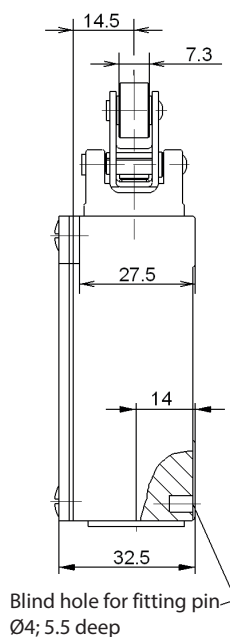
#### Operating symbol



#### Operating diagram



 On
  Off
 Tolerance:  
 Operating point  $\pm 0,25$  mm;  
 Actuating force  $\pm 10$  %



#### 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<br>DC-13, $U_e/I_e$ 24 V / 4 A |
| Positive opening NC contact     |  | 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 (st-plate), 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 M5                                                                                        |
| 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                                                                     |

| ID for safety engineering |                             |
|---------------------------|-----------------------------|
| B10d                      | 20 x 10 <sup>6</sup> 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 |
|           | DIN EN ISO 13849-1                             |

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

| Approvals |                                                                   |
|-----------|-------------------------------------------------------------------|
|           | cCSA <sub>US</sub> A300 (same polarity; AC-15, Ue/Ie 240 V / 3 A) |
|           | CCC                                                               |

| Notes                                                                                                                                                                                                   |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <p>The switch must not be used as a stop.</p> <p>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.</p> |  |