

# Technical Data

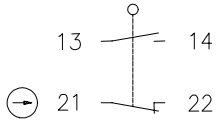
## Plastic bodied limit switch

### Series I

Description **I-SU1Z KNw**

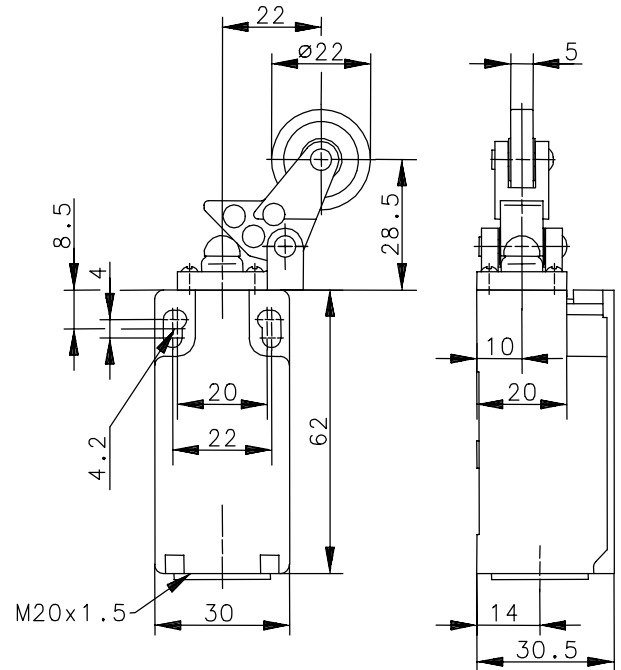
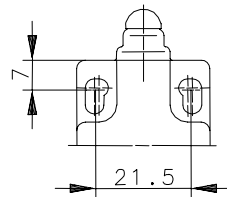
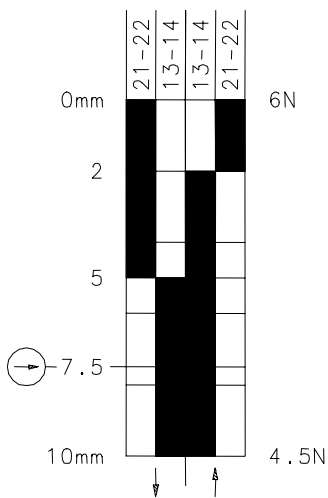
Article number **6083177017**



Operating symbol



Fixed positioning for safety applications  
 Mounting screw according to DIN 912 M5

Operating diagram



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

### Electrical data

|                                 |           |                                   |
|---------------------------------|-----------|-----------------------------------|
| Rated insulation voltage        | $U_i$     | 250V AC                           |
| Conv. thermal current           | $I_{the}$ | 10A                               |
| Rated operational voltage       | $U_e$     | 240V                              |
| Utilization category            |           | AC-15, $U_e/I_e$ 240V/3A          |
| Direct opening action           | $\ominus$ | acc. to IEC/EN 60947-5-1, Annex K |
| Short-circuit protective device |           | Fuse 2A gL/gG                     |
| Protection class                |           | II, totally insulated             |

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Date of issue: 17.08.2005 / Page 1 of 2  
 Document : 6083177017\_en / Last update : 1 / 2699-05

# Technical Data

## Plastic bodied limit switch

### Mechanical data

|                          |  |
|--------------------------|--|
| Enclosure                | Thermoplastic, glass fibre reinforced (UL 94-V0)   |
| Cover                    | Thermoplastic, glass fibre reinforced (UL 94-V0)   |
| Actuator                 | Lever with roller (thermoplastic)  |
| Ambient air temperature  | -30°C ... +80°C  |
| Contact type             | 1 NC, 1 NO (Zb)  |
| Mechanical life          | 10 x 10 <sup>6</sup> switching cycles  |
| Switching frequency      | ≤ 100/min  |
| Assembly                 | 2 x M4   |
| Connection               | 4 screw connections (M3,5)   |
| Conductor cross-sections | Solid: 0.5 ... 1.5mm <sup>2</sup><br>Litz wire with ferrules: 0.5 ... 1.5mm <sup>2</sup> |
| Cable entrance           | 1 x M20x1,5  |
| Weight                   | ≈ 0,07kg   |
| Installation position    | Operator definable   |
| Protection type          | IP65 acc. to EN 60529; DIN VDE 0470 T1   |

### 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



### Approvals

cCSA<sub>US</sub> A300 (same polarity)

### Notes

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.