

# Technical Data

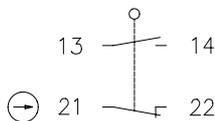
## Plastic bodied limit switch

### Series I

Description **I-SU1Z W**

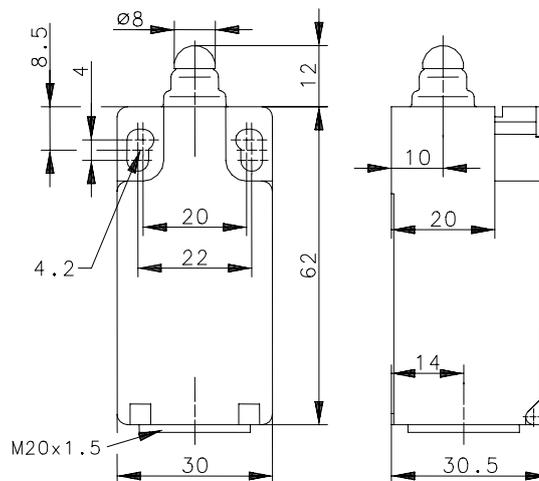
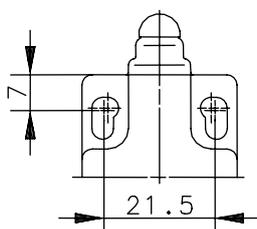
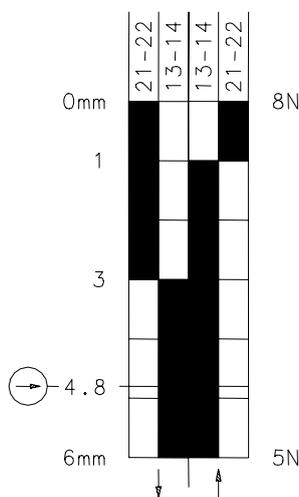
Article number **6083153009**

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		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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# Technical Data

## Plastic bodied limit switch



### Mechanical data

Enclosure	Thermoplastic, glass fibre reinforced
Cover	Thermoplastic, glass fibre reinforced
Actuator	Push bolt (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> Litz wire with ferrules: 0,5 ... 1,5mm <sup>2</sup>
Cable entrance	1 x M20x1,5
Weight	≈ 0,06kg
Installation position	Operator definable
Protection type	IP65 acc. to EN 60529; DIN VDE 0470 T1

### ID for safety engineering

B10d	20 x 10 <sup>6</sup> switching cycles
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### Actuation

The push bolt actuator is mainly intended to be actuated along its axis.  
Side actuation will considerably reduce switch life.

### 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 specified (IP code) applies only to a properly closed cover and the use of an equivalent cable gland with adequate cable.

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