

# Technical Data

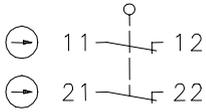
## Plastic bodied limit switch

### Series I88

Description **I88-A2Z W RAST**

Article number **6186803155**

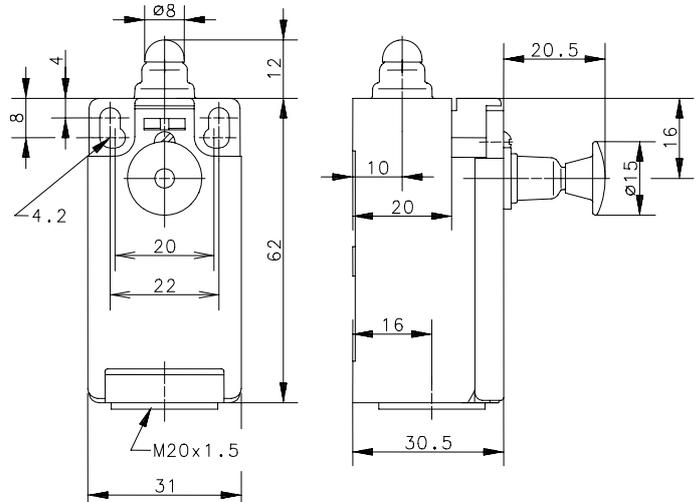
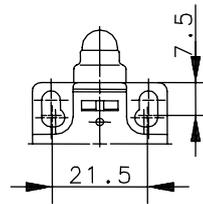
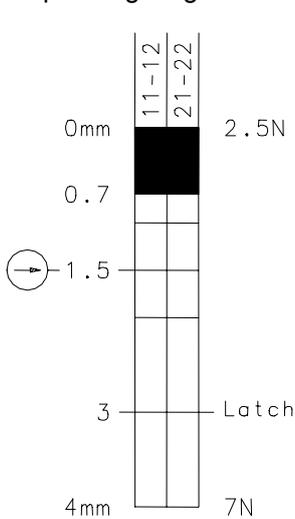
#### Operating symbol



Fixed positioning for safety applications

Mounting screw according to DIN 912 M5

#### Operating diagram



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

#### Electrical data

Rated insulation voltage	$U_i$	250V AC
Conv. thermal current	$I_{the}$	5A AC / 2,5A DC
Rated operational voltage	$U_e$	240V
Utilization category		AC-15, $U_e/I_e$ 240V/1,5A DC-13, $U_e/I_e$ 125V/0,55A 250V/0,27A
Positive opening NC contact		acc. to IEC/EN 60947-5-1, Annex K
Short-circuit protective device		Fuse 6A gL/gG
Protection class		II, totally insulated

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# 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	Plunger (thermoplastic)
Ambient air temperature	-30°C ... +80°C
Contact type	2 NC (Zb)
Mechanical life	1 x 10 <sup>6</sup> switching cycles
Switching frequency	≤ 60/min
Assembly	2 x M4
Connection	4 screw connections (M3)
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

### Actuation

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

<b>Standards</b>	VDE 0660 T100, DIN EN 60947-1, IEC 60947-1 VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
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<b>EU Conformity</b>	<b>CE</b>
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<b>Approvals</b>	cCSA <sub>US</sub> B300 (same polarity), Q300
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### Notes

The specified protection classification (IP code) applies only when the cover is closed and the appropriate cable is used, in accordance with the clamping range of the above mentioned cable gland.