BERNSTEIN

Plastic bodied limit switch
Series I88

Description **I88-UV1Z RIWK NORM SW**	Article number **6186317280**

Operating symbol

15 — 16
23 — 24

Operating diagram

ø10 3.3

18.5
8
4.3
20
22
62
10
21
31
M20x1.5
16
30.5
A
A

0mm — 2.5N
15-16
23-24
2
3
3.8
5.5mm — 11N

ON   OFF

Tolerance:
Operating point ± 0,25 mm;
Operating force ± 10 %
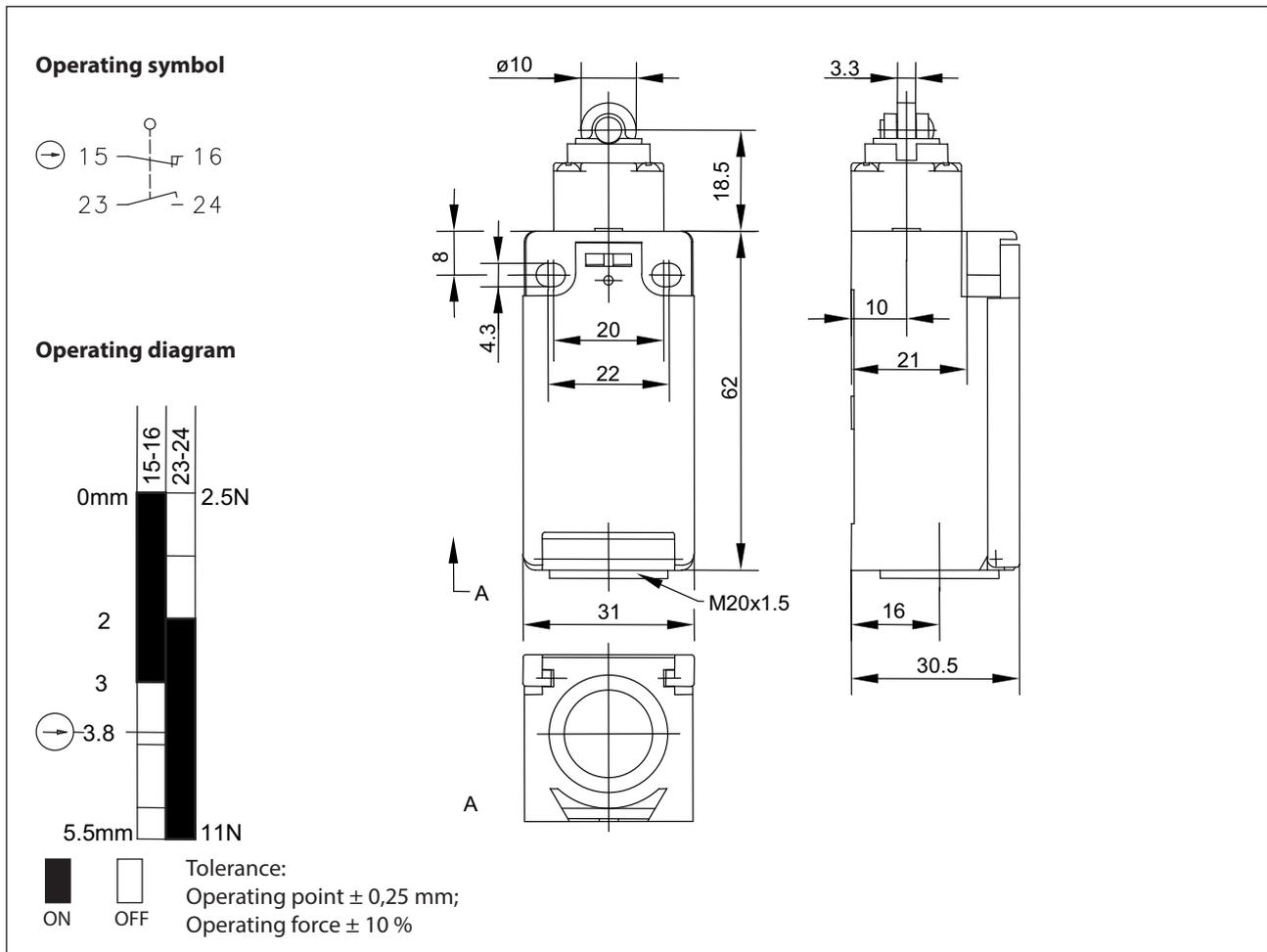
Electrical Data		
Rated insulation voltage	U_i	250 V AC
Conv. thermal current	I_{the}	10 A
Rated operational voltage	U_e	240 V
Utilization category		AC-15, U_e/I_e 240 V / 3 A
Direct opening action	⊖	acc. to IEC/EN 60947-5-1, annex K
Short-circuit protective device		Fuse 10 A gG
Protection class		II, totally insulated

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Mechanical data	
Enclosure	Thermoplastic, glass fibre reinforced (UL 94-V0)
Cover	Thermoplastic, glass fibre reinforced (UL 94-V0)
Actuator	Roller (thermoplastic)
Ambient air temperature	-30 °C ... +80 °C
Contact type	1 NC, 1 NO (Zb)
Mechanical life	1 x 10^6 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^2 or Litz wire with ferrules: 0,5 ... 1,5 mm^2
Cable entrance	1 x M20 x 1,5
Weight	≈ 0,07 kg
Installation position	operator definable
Protection type	IP65 acc. to IEC/EN 60529

Actuation
The actuating device is preferably started from 2 sides. 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
acc. to directive 2014/35/EU

Approvals	
$_c$CSA$_{US}$	A300 (same polarity)
CCC	

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.