

Technical Data

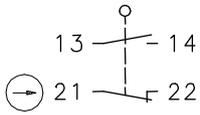
Plastic bodied limit switch

Series I88

Description **I88-SU1Z W HVG**

Article number **6186103161**

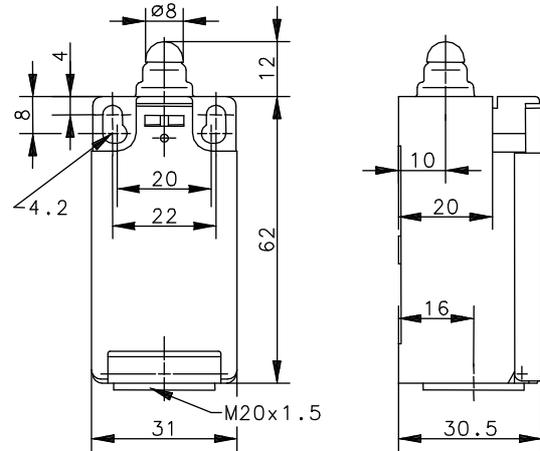
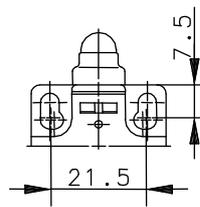
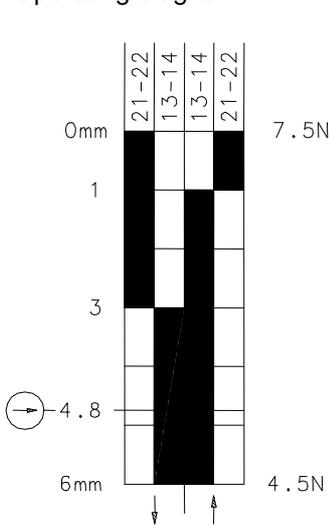
Operating symbol



Fixed positioning for safety applications

Mounting screw according to DIN 912 M5

Operating diagram



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

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 | \ominus | acc. to IEC/EN 60947-5-1, Annex K |
| Short-circuit protective device | | Fuse 2 A gL/gG |
| Protection class | | II, totally insulated |

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Date of issue: 21.01.2009 / Page 1 of 2
 Document : 6186153311_en.doc / Last update : 1 / 2036-09

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 | 1 NC, 1 NO (Zb) |
| Contact | fine gold-plated (Our guideline values are valid for the gold-plated switch contacts.) |
| Mechanical life | 10 x 10 ⁶ switching cycles |
| Switching frequency | ≤ 100/min |
| Assembly | 2 x M4 |
| Connection | 4 screw connections (M3,5) |
| Conductor cross-sections | Solid: 0,5 ... 1,5mm ² Litz wire with ferrules: 0,5 ... 1,5mm ² |
| 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.

| | |
|------------------|--|
| Standards | 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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|----------------------|-----------|
| EU Conformity | CE |
|----------------------|-----------|

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|------------------|---|
| Approvals | cCSA _{US} 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.