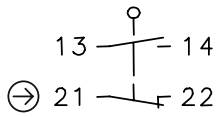
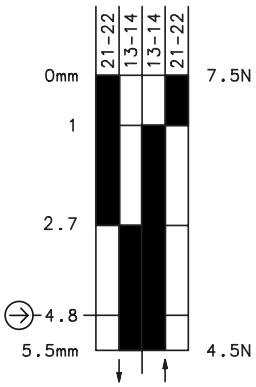
# Plastic bodied limit switch
Series BI2

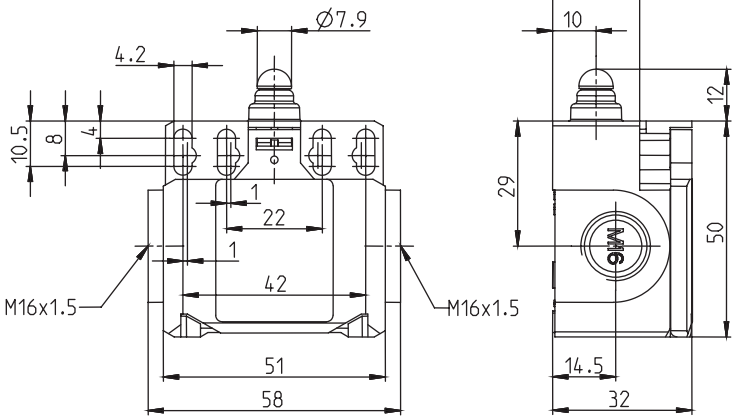
| Description **BI2-SU1Z W** | Article number **6085153107** |
|---|---|

**Operating symbol**

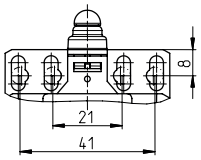



**Operating diagram**




Fixed positioning with
e.g. fixing screw M5
according to the standard
DIN EN ISO 4762.




On Off

Tolerance:
Operating Point ± 0,25 mm;
Operating force ± 10 %

| **Electrical Data** | | |
|---|---|---|
| Rated insulation voltage | $U_i$ | 400 $V_{AC}$ |
| Conv. thermal current | $I_{the}$ | 10 A |
| Rated operational voltage | $U_e$ | 240 $V_{AC}$ |
| acc. to $_{C}CSA_{US}$ | $U_e$ | 300 $V_{AC}$ |
| Utilization category | | AC-15 $U_e$ / $I_e$ 240 V / 3 A<br>DC-13 $U_e$ / $I_e$ 24 V / 3 A |
| Direct opening action | ⊖ | acc. to IEC/EN 60947-5-1, annex K |
| Short-circuit protective device | | Fuse 2 A gG |
| Protection class | | II (totally insulated) |



**Technical modifications and errors excepted.**
The technical datasheet corresponds to the technical state as of 2025-12-09 and will not be removed in case of changes.

| 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) |
| Mechanical life | 10 x $10^6$ operating cycles |
| Switching frequency | ≤ 100 / min. |
| Assembly | 2 x M4 / 2 x M5 / 2 x M3 front mounting |
| Connection | 4 screw connections (M3,5) |
| Conductor cross-sections | 0,5 – 1,5 $mm^2$ (solid or stranded wire with ferrules) |
| Cable entrance | 2 x M16 x 1,5 |
| Weight | ≈ 0,08 kg |
| Installation position | operator definable |
| Protection type | IP65 acc. to EN 60529 |

| ID for safety engineering | |
|---|---|
| B10d | 20 x $10^6$ cycles (@ DC-13; 24 V; $I_{e2}$ = 0,1 A) |

| Actuation |
|---|
| The push bolt actuator is mainly intended to be actuated along its axis.<br>Side actuation will considerably reduce switch life. |

| Standards | |
|---|---|
| | DIN EN 60947-5-1 |
| | DIN EN ISO 13849-1 |

| EU Conformity | |
|---|---|
| | acc. to directive 2006/42/EC (Machinery Directive) |

| Approvals | |
|---|---|
| | $_cCSA_{US}$ A300, Q300 |
| | 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. |



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