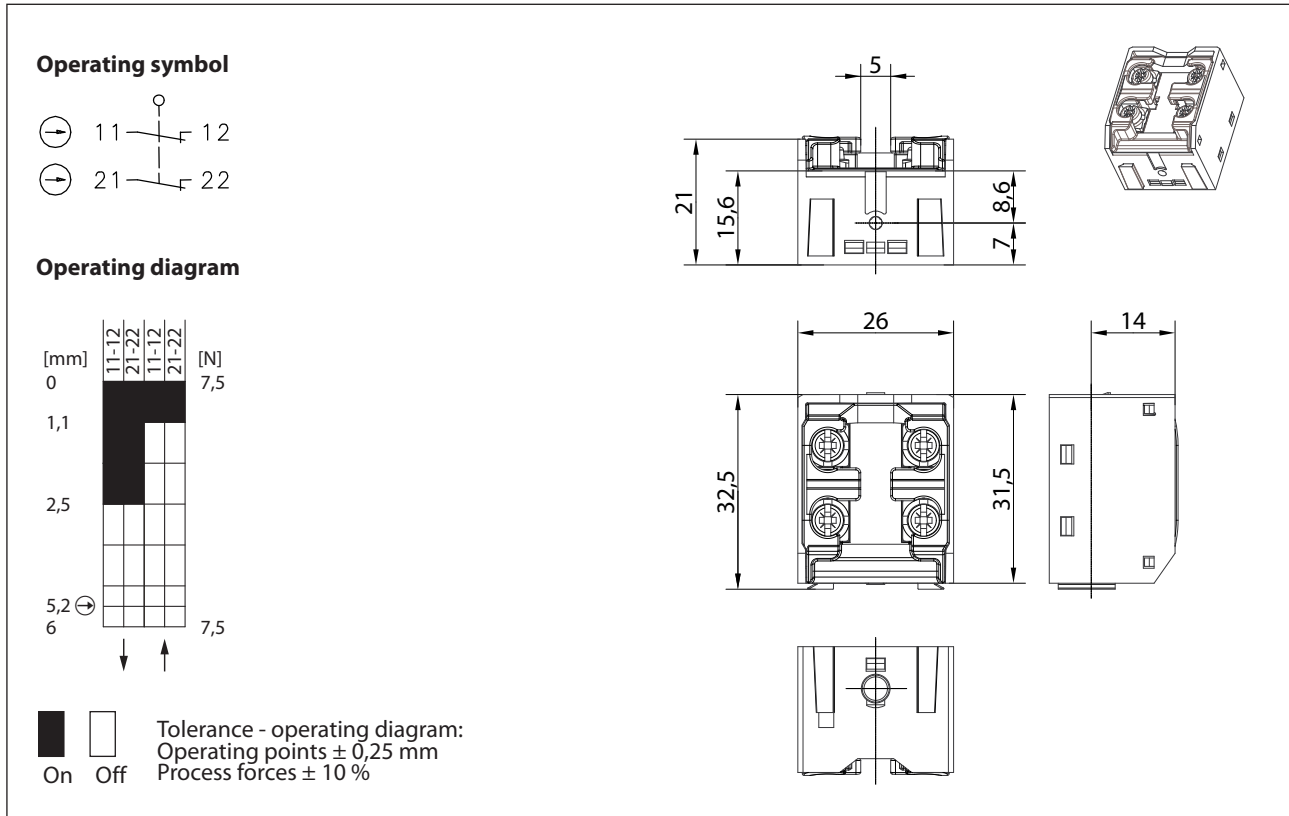


## Mechanical switching device

### Series IN65/I81-modular system

Description **C14-EB-SA2Z**

Article number **6005851160**



#### Electrical Data acc. IEC/EN 60947-5-1

|   |               |   |
|---|---------------|---|
| Rated insulation voltage                | $U_i$         | 400 V   |
| Rated impulse withstand voltage         | $U_{imp}$     | 4 kV  |
| Rated operational voltage               | $U_e$         | 240 V AC / 24 V DC  |
| Rated supply frequency AC               |               | 50 / 60 Hz  |
| Overvoltage category                    |               | II acc. EN 60947-1 annex H table H1                         |
| Conventional enclosed thermal current   | $I_{the}$     | 5 A   |
| Minimum current                         |               | 1 mA  |
| Utilization category and rated values   |               | AC-15, $U_e/I_e$ 240 V / 3 A<br>DC-13, $U_e/I_e$ 24 V / 4 A |
| Direct opening action                   | $\rightarrow$ | acc. IEC/EN 60947-5-1, annex K; direct opening force: 28 N  |
| Short-circuit protective device         |               | Fuse 4 A gG   |
| Rated conditional short-circuit current |               | 400 A   |
| Max. contact resistance                 |               | 25 mOhm (unused)  |

| Mechanical data          |   |
|--------------------------|---|
| Enclosure                | Thermoplastic, glass fibre reinforced (UL 94-V0)  |
| Fastening                | Locking connection with switches of the BERNSTEIN AG                                      |
| Actuator                 | Plunger (Thermoplastic, glass fibre reinforced (UL 94-V0))                                |
| Actuating force          | $F_B$ 14 N $\leq F_B \leq$ 30 N   |
| Operating temperature    | -30 °C ... +75 °C   |
| Storage temperature      | -40 °C ... +80 °C   |
| Protection type          | IP00 acc. EN 60529  |
| Pollution degree         | 3   |
| Contact material         | silver  |
| Device class             | Category E (MC3 + CC2 + SC1) acc. EN 60947-1 annex Q                                      |
| Contact type             | 2 N.C. (Form Zb)  |
| Operating rate           | $V$ 0,06 m/min $\leq V \leq$ 30 m/min   |
| Bounce duration          | ms < 3 ms   |
| Switchover time          | ms < 8 ms   |
| Switching frequency      | $\leq$ 100 / min.   |
| Mechanical life          | 15 x 10 <sup>6</sup> operating cycles   |
| Mission time             | 20 years  |
| Connection               | 4 screw connections (M3)  |
| Conductor cross-sections | Solid or Litz wire with ferrules 0,34 mm <sup>2</sup> - 1,5 mm <sup>2</sup> ; AWG 22 - 16 |
| Weight                   | $\approx$ 0,02 kg   |
| Installation position    | operator definable  |

| Actuation  |  |
|--|--|
| The push bolt actuator is mainly intended to be actuated along its axis. |  |

| ID for safety engineering |                             |
|---------------------------|-----------------------------|
| B10d N.C.                 | 20 x 10 <sup>6</sup> cycles |
| B10d N.O.                 | 1 x 10 <sup>6</sup> cycles  |

| Standards                                      |  |
|--|--|
| VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1 |  |
| UL 508 / CSA C22.2 No.14                       |  |
| DIN EN ISO 13849-1                             |  |

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

| Approvals  |  |
|--|--|
| cUR <sub>US</sub> (Mechanical switching device without protection type)<br>(AC 15, U <sub>e</sub> /I <sub>e</sub> 240 V / 1,5 A; DC 13, U <sub>e</sub> /I <sub>e</sub> 24 V / 1,5 A) |  |
| CCC (AC 15, U <sub>e</sub> /I <sub>e</sub> 240 V / 1,5 A; DC 13, U <sub>e</sub> /I <sub>e</sub> 24 V / 1,5 A)  |  |

| Notes  |  |
|--|--|
| Because of the open construction of the device there is no special protection against ingesting of water and touching parts under voltage. |  |