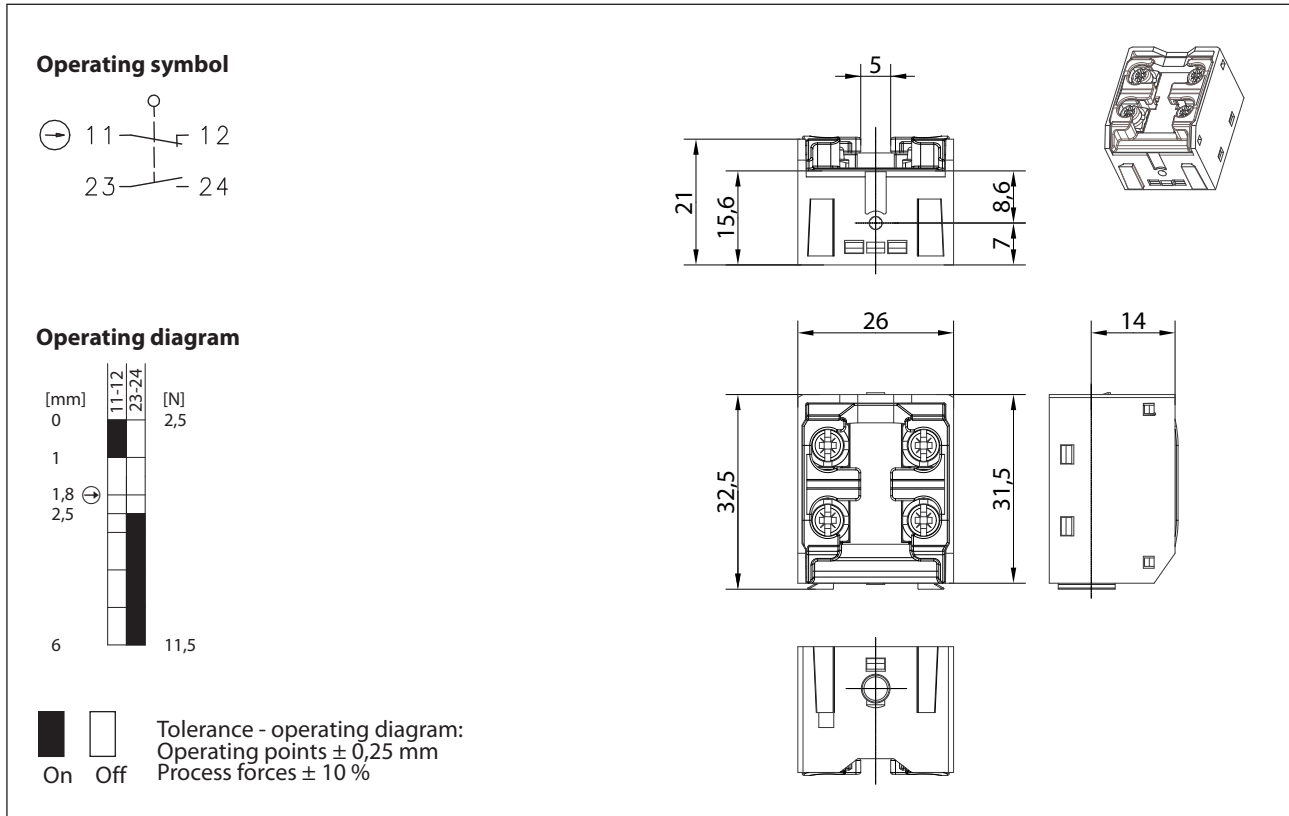


## Mechanical switching device

### Series IN65/I81-modular system

Description **C14-EB-U1Z**

Article number **6005101156**



#### 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 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: 18 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	1 N.C. (Form Zb), 1 N.O.
Gap between NC-contacts	4 mm ( 2 x 2 mm)
Operating rate	$V$ 0,06 m/min $\leq V \leq$ 30 m/min
Bounce duration	ms The value depends on the operating rate
Switchover time	ms The value depends on the operating rate
Switching frequency	$\leq$ 100 / min.
Mechanical life	30 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) (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 ingessing of water and touching parts under voltage.