BERNSTEIN

Safety switch
Series SK- with separate actuator

Description **SK-UV15Z F30 M**	Article number **6016169061**

Operating symbol

Operating diagram

Actuator withdrawn

21.5mm

5
3.5
3

S_0 —0mm — inserted

On   Off

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

Terminal screw acc. to DIN 912 M5

Ø5.5 fixed location for safety application

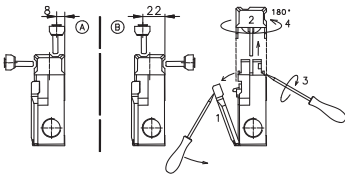| Electrical Data		
Rated insulation voltage	U_i	400 V AC
Conv. thermal current	I_{the}	5 A
Utilization category		AC-15, Ue /Ie 240 V / 1,5 A
Direct opening action	⊖	according to IEC/EN 60947-5-1, Annex K
Short-circuit protective device		Fuse 6 A gG
Protection class		II, totally insulated

Mechanical data

Enclosure	Thermoplastic, glass fibre reinforced (UL94-V0)
Cover	Thermoplastic, glass fibre reinforced (UL94-V0)
Actuator	Separate actuator (St-stainless steel)
Extraction force	30 N
Ambient air temperature	-30 °C … +80 °C
Contact type	2 NC, 1 NO (Zb)
Mechanical life	1×10^5 switch operations
Switching frequency	≤ 30 / min.
Assembly Safety switch	2 x M5
Actuator	2 x M5
Connection	6 screw connections (M3)
Conductor cross-sections	Solid: 0,5 … 1,5 mm²
	Litz wire with ferrules: 0,5 … 1,5 mm²
Cable entrance	2 x M20 x 1,5
Weight	≈ 0,15 kg
Installation position	operator definable
Protection type	IP65 acc. to IEC/EN 60529

ID for safety engineering

B10d	1×10^5 switching cycles

Actuation

Turning the cap (pos A/B) allows 4 different directions of drive.
Cover (1) has to be opened before turning the cap (2).
Insert the screwdriver into the gap between housing and cap and
turn until the cap snaps off.
Remove the cap, turn it 180° (4), latch it into the housing and close the cover.

Standards

VDE 0660 T100, DIN EN 60947-1, IEC 60947-1
VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
DIN EN ISO 13849-1

EU Conformity

acc. to directive 2006/42/EC

Approvals

CCC
cCSAus   B300 (same polarity)

Notes

The degree of protection (IP code) specified applies solely to a property closed cover
and the use of an equivalent cable gland with adequate cable.
The switch may not be used as a mechanical stop.
Radial actuation may reduce the mechanical life.
The min. radius refers to a pivot at the top of the cap (S0).
Tapped holes not in use must be closed with blind plugs.

Technical modifications and errors excepted.
The technical datasheet corresponds to the technical state as of 2015-07-27 and will not be removed in case of changes.

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