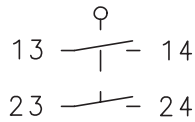


Plastic bodied limit switch

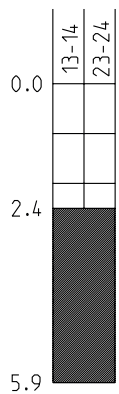
Series IN62

Description IN62-E2 RKL	Article number 6083000416
--------------------------------	----------------------------------

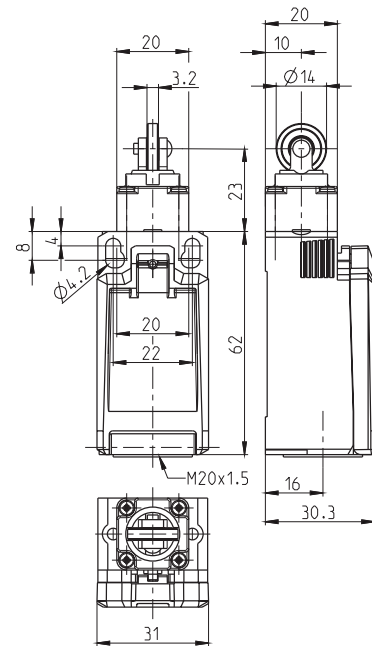
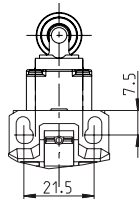
Operating symbol



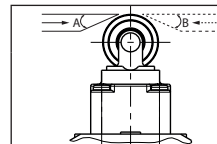
Operating diagram



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



Tolerance:
Operating point $\pm 0,25$ mm;
Direct opening action $+ 0,25$ mm



m/s	0,1	0,5	1	2	5
A	20 °	20 °	10 °	5 °	-
B	20 °	20 °	10 °	5 °	-

Electrical Data

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
Conv. thermal current	I_{the}	5 A
Minimum current		1 mA
Utilization category		AC 15, U_e/I_e 240 V / 3 A DC 13, U_e/I_e 24 V / 1,5 A
Short-circuit protective device		Fuse 4 A gG
Rated conditional short-circuit current		400 A
Max. contact resistance		25 mOhm (unused)
Protection class	$\square$	II

Mechanical data		
Enclosure		Thermoplastic, glass fibre reinforced (UL 94-V0)
Cover		Thermoplastic, glass fibre reinforced (UL 94-V0)
Actuator		Roller (thermoplastic)
Actuating force	F_B	$10 \text{ N} \leq F_B \leq 30 \text{ N}$
Operating temperature		$-30 \text{ °C} \dots +75 \text{ °C}$
Storage temperature		$-40 \text{ °C} \dots +80 \text{ °C}$
Protection type		IP67 acc. EN 60529
Pollution degree (built-in switch)		3
Contact material		silver
Device Class (built-in switch)		Category E (MC3+CC2+SC1) acc. EN 60947-1 annex Q
Contact type		2 N.O. (Form Zb)
Operating rate	V	$0,06 \text{ m/min} \leq V \leq 30 \text{ m/min}$
Bounce duration	ms	The value depends on the operating rate.
Switchover time	ms	The value depends on the operating rate.
Switching frequency		$\leq 60 / \text{min.}$
Mechanical life		10×10^6 operating cycles
Mission time		≤ 20 years
Connection		4 screw connections (M3)
Conductor cross-sections		$0,34 \text{ mm}^2 - 1,5 \text{ mm}^2$; AWG 22-16 (solid or stranded wire with ferrules)
Cable entrance		$1 \times \text{M}20 \times 1,5$
Weight		$\approx 0,06 \text{ kg}$
Installation position		operator definable

Actuation
The actuating device is preferably started from 2 sides. By loosening the 4 screws the actuation assembly can be rotated in 90 degree increments such that 4 actuation directions are possible. The actuation assembly is to be again fastened to the housing using the 4 screws.

Standards
DIN EN 60947-5-1
UL 508 / CSA C22.2 No.14
DIN EN ISO 13849-1
EN81-20
EN81-50

EU Conformity
acc. to directive 2014/35/EU (Low-Voltage-Directive)

Approvals
CCC (AC 15, U_e/I_e 240 V / 3 A; DC 13, U_e/I_e 24 V / 1,5 A)
cCSA _{US} B300, 240Vac 3A G.P., 24Vdc 1.5A R. Enclosure Type 4X

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.