

NZ1RL-3131-M (ORDER NO. 090942)

Safety switch NZ.RL, extended roller plunger, steel roller \varnothing 18 mm

- ▶ Steel roller \varnothing 18 mm
- ▶ Cable entry M20 x 1.5



Description

Approach direction



Figure

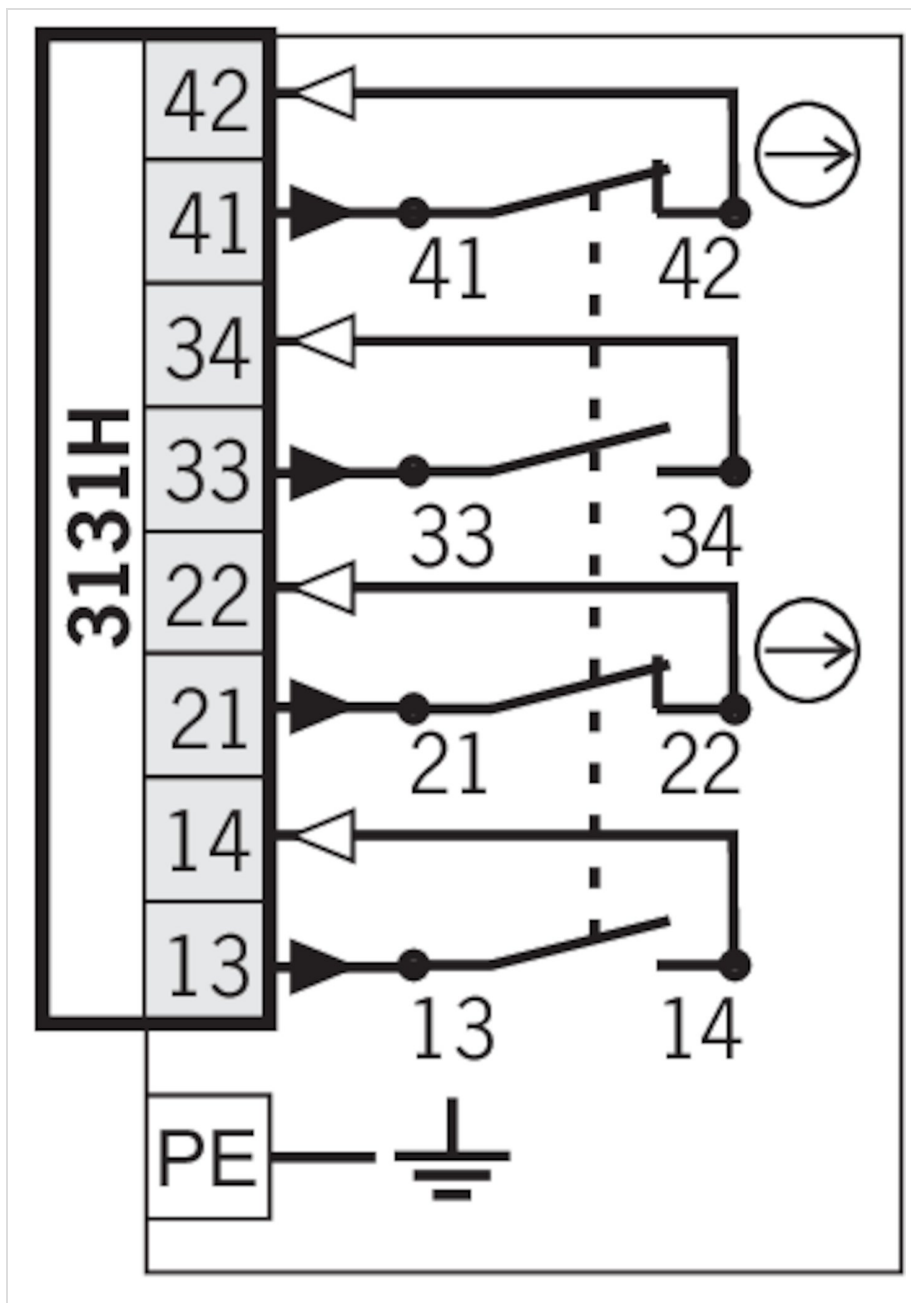
Horizontal

Can be adjusted in 90° steps

Switching element

3131H Slow-action switching contact 2 NC \rightarrow + 2 NO

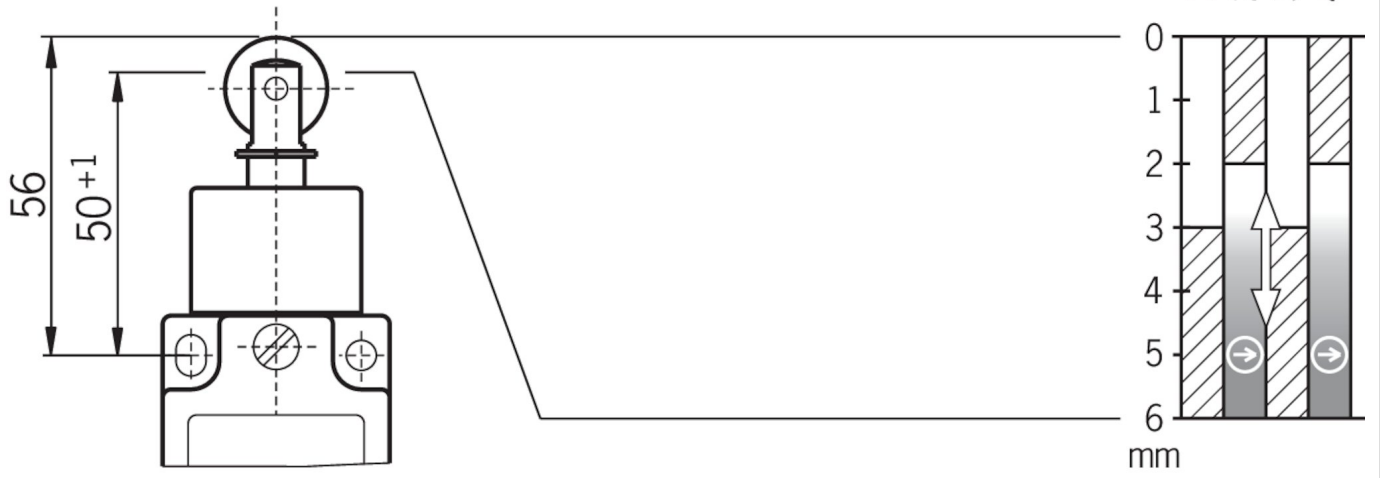
Dimension drawing






Travel diagram

NZ...RL

3131H



-  Contacts closed
-  Contacts open
-  Contacts positively driven

Technical data

Approvals



Mechanical values and environment

Housing material	Housing	Anodized die-cast alloy
Weight	Net	0,3 kg
Ambient temperature		-25 ... 80 °C
Degree of protection		IP67
Mechanical life		30 x 10 ⁶
Contact material		Silver alloy, gold flashed
Switching principle		Slow-action switching contact
Installation orientation		Any
Number of door position positively driven contacts		2
Number of NO contacts		2
Connection		1 x M20 x 1.5
Approach speed		0,1 ... 20 m/min
Actuating element	Plain bearing metal	Roller plunger (d roller = 18 mm)
Actuating force		15 ... 30 N

Electrical connection ratings

Thermal rated current I_{th}		4 A
Utilization category acc. to EN 60947-5-1	AC-15	4A 230V
	DC-13	4A 24V
Short circuit protection according to IEC 60269-1		4A gG
Rated insulation voltage U_i		250 V
Rated impulse withstand voltage U_{imp}		2,5 kV
Switching current	Min. at DC 24V	1 mA
Connection cross-section		0,34 ... 1,5 mm ²

Reliability values according to EN ISO 13849-1

		Monitoring of the safety guard position
B10 _D		20 x 10 ⁶

Accessories

Connection material

Cable glands M20x1.5, cable Ø 6.5-9.5 mm



077683
EKVM20/06

Cable glands M20x1.5, cable Ø 9-13 mm



077684
EKVM20/09

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