

NG1RS-510-M (Order no. 079942)

Position switch NG.RS, steel roller

- ▶ Plunger actuator RS (roller plunger, steel roller)
- ▶ Cable entry M20 x 1.5



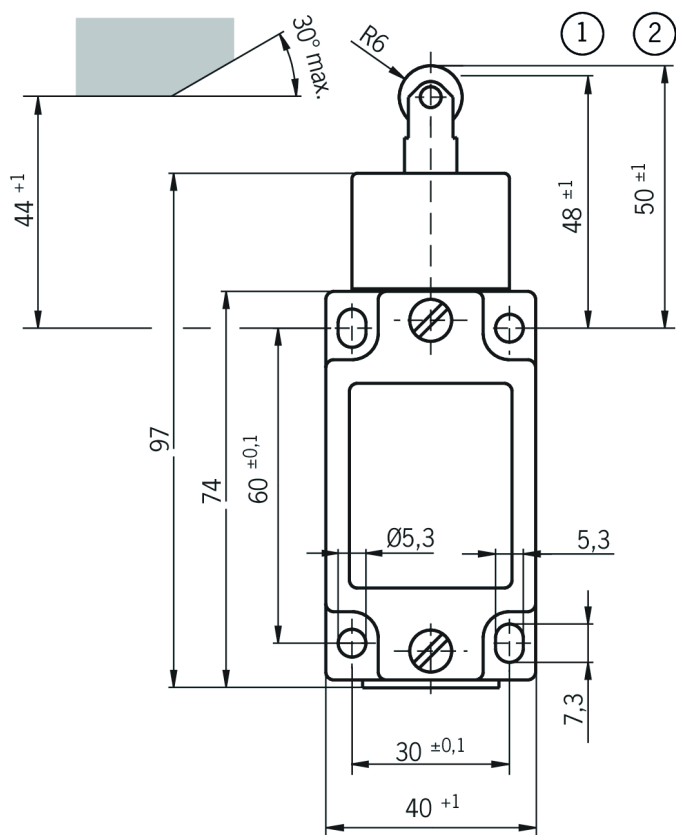
Switching element

510 Snap-action switching contact 1 NC + 1 NO

Adjustment options

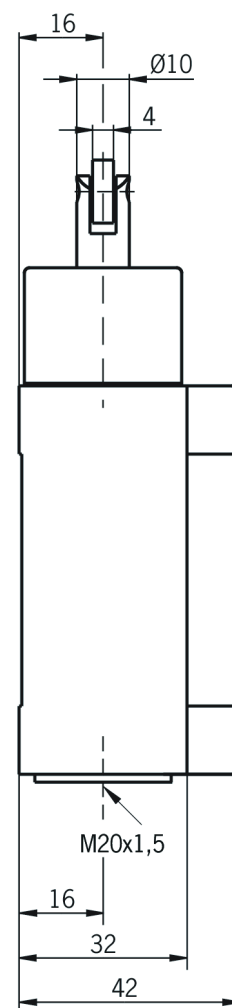
Horizontal 4 x 90°

Dimensional drawings

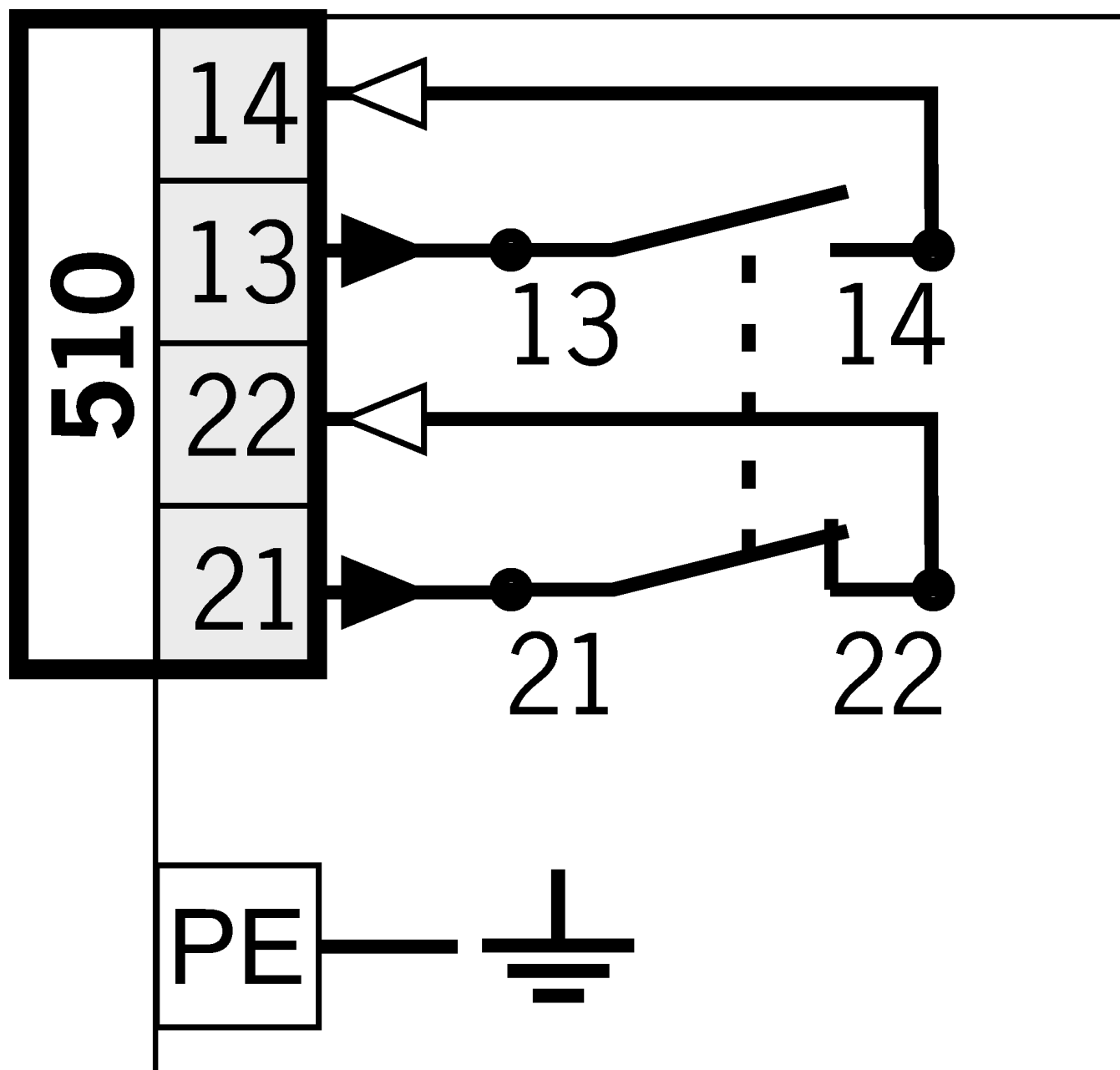


1 Operating point

2 Free position

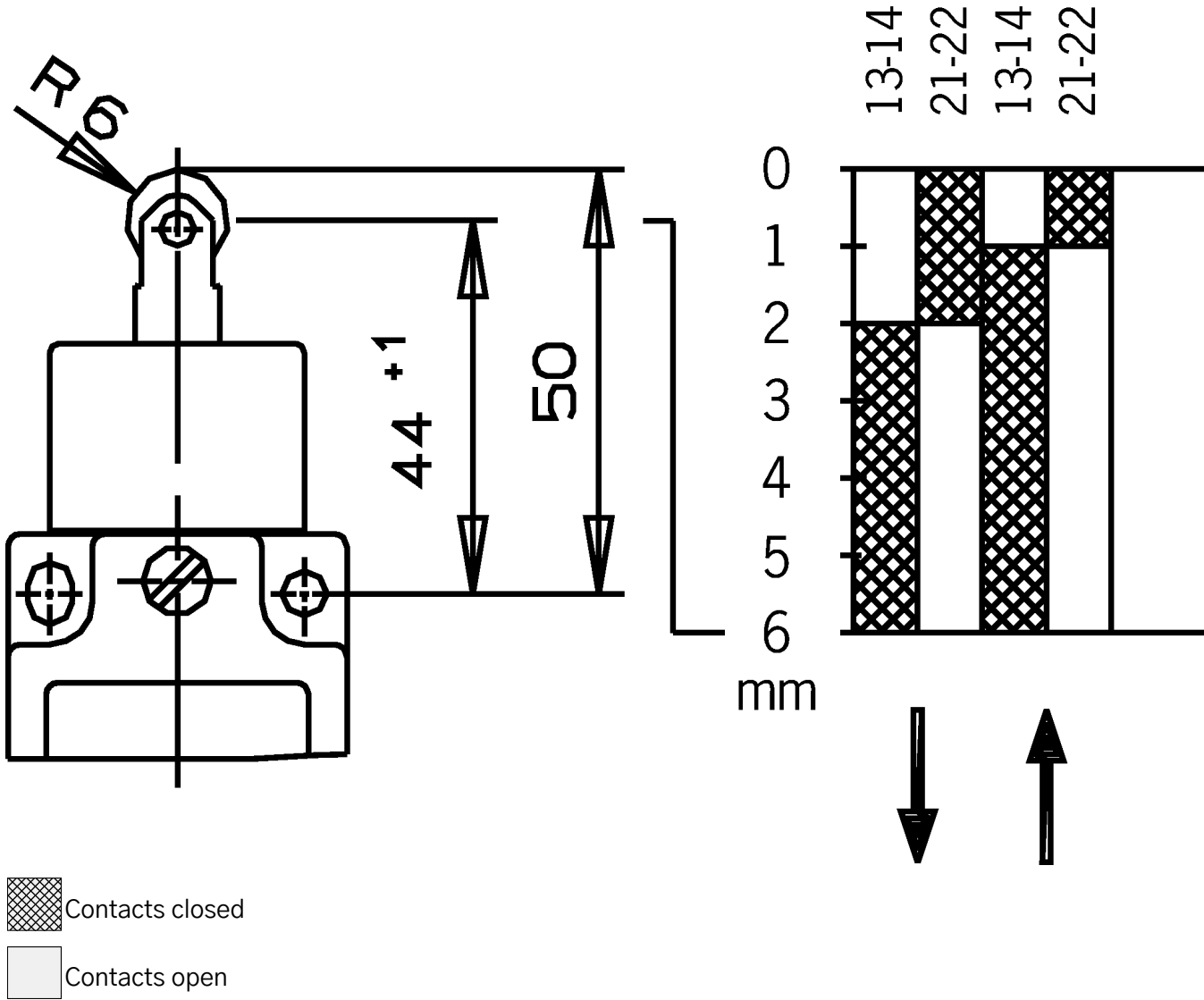


Connection examples



Shift travel diagrams

ES510



Technical data

Approvals



Electrical connection values

Connection cross section	0.34 ... 1.5 mm ²
Rated insulation voltage U_i	250 V
Rated impulse voltage U_{imp}	2.5 kV
Utilization category	
	AC-12 10 A 230 V
	DC-13 6 A 24 V
	AC-15 6 A 230 V
Short circuit protection according to IEC 60269-1	6A gG
Switching current	
	min. at DC 24V 10 mA
thermal rated current I_{th}	6 A

Mechanical values and environment

Approach speed	0.01 ... 20 m/min
Connection type	
	1 x M20 x 1.5
Number of door position NC contacts	1
Number of door position NO contacts	1
Actuating element	
	Slide bearing metal Roller plunger (d roller = 12 mm)
Actuating force	15 ... 30 N
Installation orientation	any
Mechanical life	30 x 10 ⁶
Contact bounce time	max. 3 ms

Switching principle	Snap-action switching contact
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Schließzeit	max. 4 ms
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Degree of protection	IP67
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Ambient temperature	-25 ... +80 °C
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Material

Housing	Anodized die-cast alloy
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Contact	Silver alloy, gold flashed
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Downloads

All documentation for this material can be found on our website:

<https://www.euchner.de/en-us/a/079942/?#downloads-tab>

Ordering data

Ordernumber	079942
Item designation	NG1RS-510-M
Gross weight	0,317kg
Customs tariff number	85365019000
ECLASS	27-27-06-01 Position switch (Type 1)

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



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EKVM20/09