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## NM11HBA-M (ORDER NO. 084528)

Safety switch NM.HB with lever arm, long housing

- ▶ Cable entry M16 x 1.5



### Description

#### Approach direction



#### Figure

Horizontal

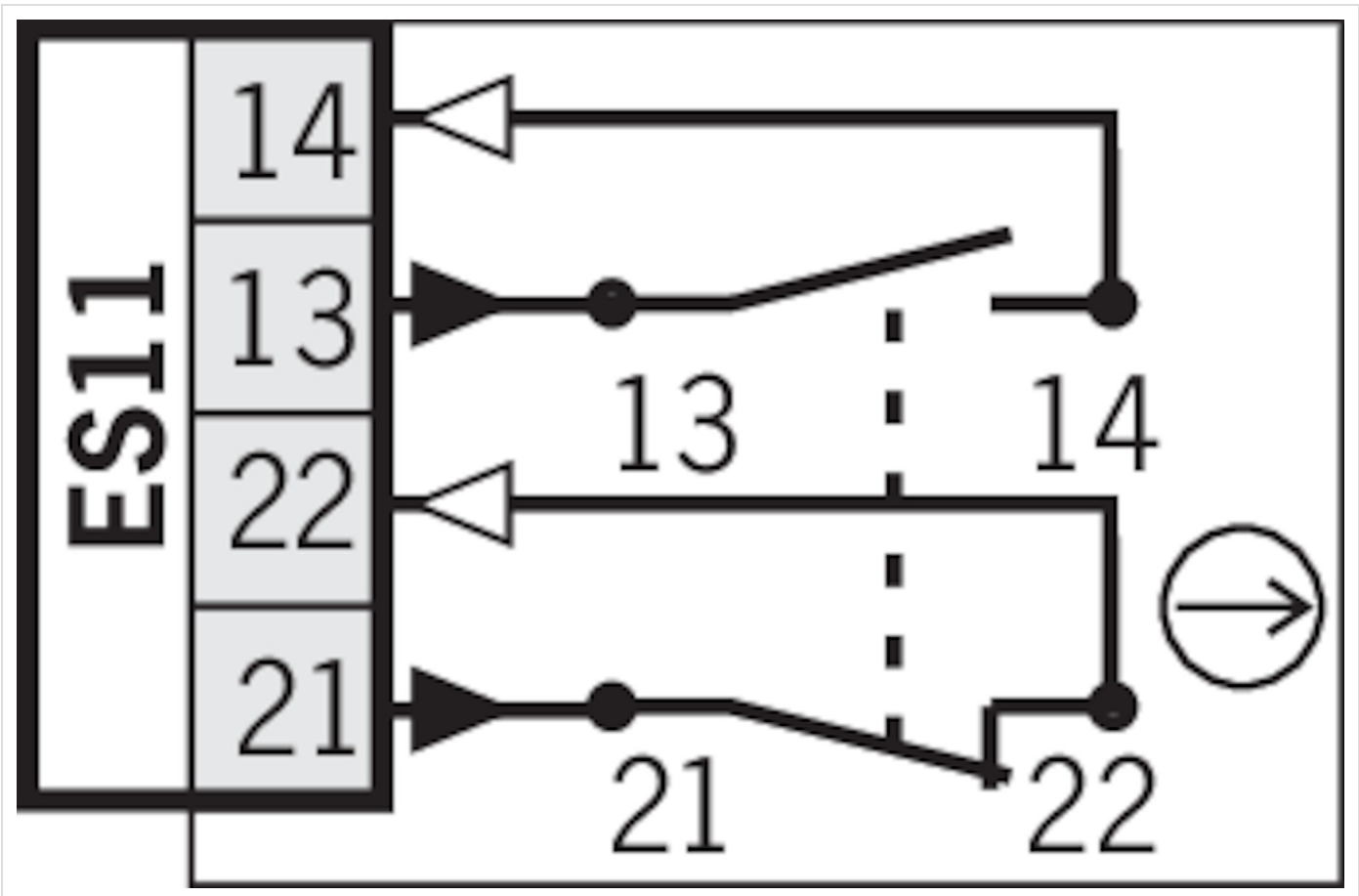
Can be adjusted in 90° steps

#### Switching element

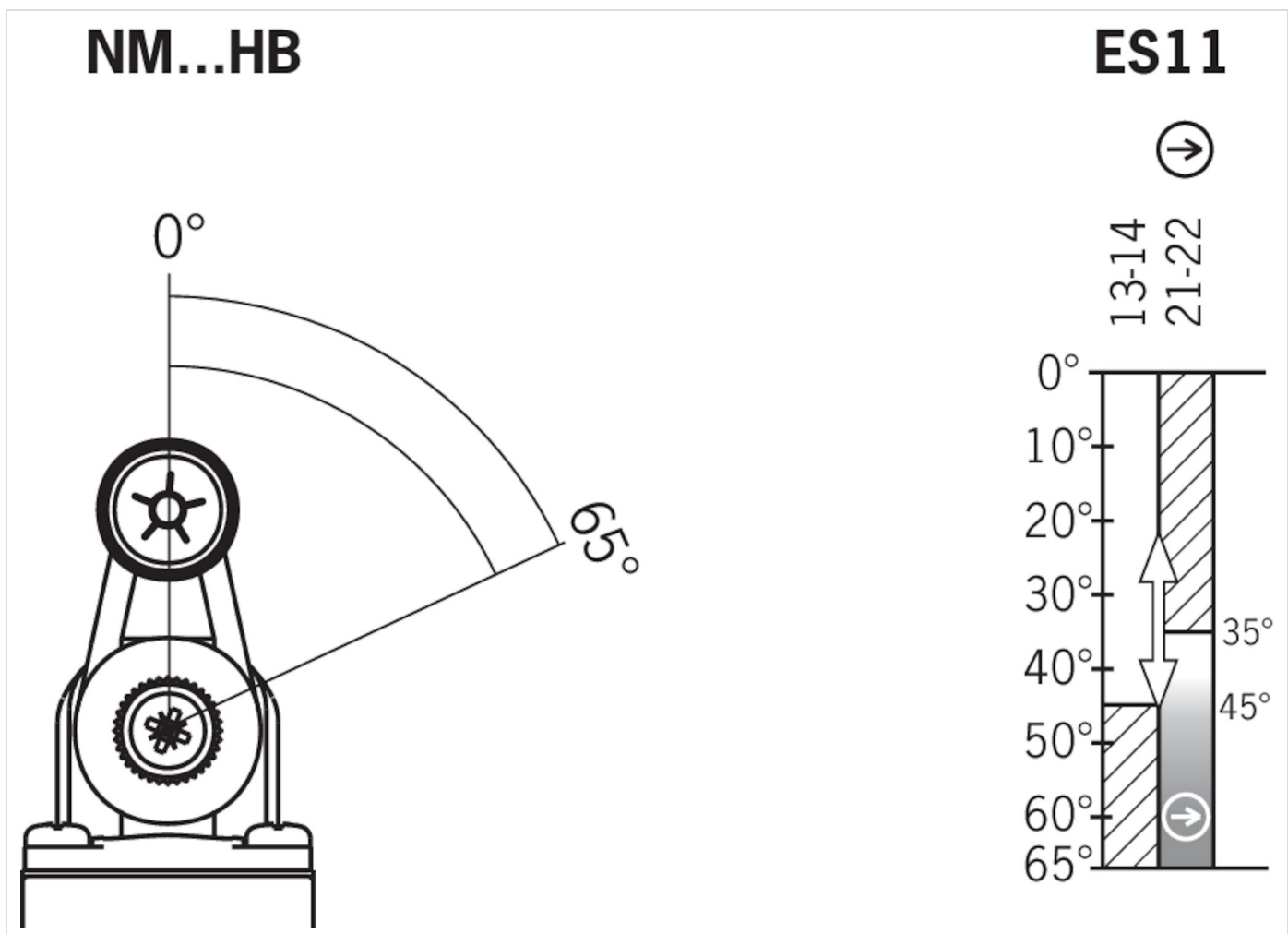
ES11 Slow-action switching contact 1 NC  $\ominus$  + 1 NO

#### Dimension drawing





Travel diagram



## Technical data

### Approvals



## Mechanical values and environment

Design	Long housing
Housing material	Housing Reinforced thermoplastic
Weight	Net 0,1 kg
Ambient temperature	-20 ... 80 °C
Degree of protection	IP67
Mechanical life	20 x 10 <sup>6</sup>
Contact material	Silver alloy, gold flashed
Switching principle	Slow-action switching contact
Installation orientation	Any
Number of door position positively driven contacts	1
Number of door position NO contacts	1
Connection	3 x M16 x 1.5
Approach speed	max.60 m/min
Actuating element	Plain bearing plastic Lever arm (d roller = 12 mm)
Actuation frequency	max.5000 1/h
Actuating torque	0,1 Nm

## 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 voltage	Min. at 10mA 12 V
Switching current	Min. at 24V 1 mA
Connection cross-section	0,34 ... 1,5 mm <sup>2</sup>

## Reliability values according to EN ISO 13849-1

	Monitoring of the safety guard position
B10 <sub>D</sub>	20 x 10 <sup>6</sup>

## Accessories

## Connection material

### Cable glands M16x1.5

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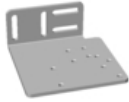


084572  
EKPM16/05

## Mounting accessories

### Mounting plates EMP-SC for safety switches NM, NP...AS and NZ

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085753  
EMP-SC

► For vertical and horizontal mounting of safety switches NM, NP...AS and NZ

## Contacts

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