



1) Reference edge, 2) Mark. Safety switch position, 3) 1st pos.



### Basic features

Approval/Conformity	CE UKCA CCC WEEE
Basic standard	IEC 60947-5-1
Operating principle	1-2. Switch position: Mechanical with forced opening
Version	

### Display/Operation

Function indicator	1-2. Switch position: None
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### Electrical connection

Connection	M12x1-Flange male, 5-pin
Connection type	1. Switch position: Connector

### Electrical data

Continuous current	1-2. Switch position: 4 A
Rated operating voltage U <sub>e</sub>	1-2. Switch position: 250 V AC
Switching function mechanical	NO forced-opening
Switching rate	1-2. Switch position: 200/min

### Environmental conditions

Ambient temperature	-5...85 °C
IP rating	IP67

### Functional safety

B10d (EN ISO 13849-1)	BSE 86: 10 mil. switching cycles
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### Material

Housing material	Aluminium, Anodized
Housing material, surface protection	Anodized
Material contacts	1-2. Switch position: Fine silver
Plunger material	1-2. Switch position: 1.4034 stainless steel

### Mechanical data

Approach direction	longitudinal, parallel to attachment surface
Approach speed	1-2. Switch position: 60 m/min
Distance cam - reference edge	1-2. Switch position: 2.50...2.80 mm
Flange, feed-through	None
Installation	Vertical
Life expectancy mechanical	1-2. Switch position: 10 mil. switching operations
Number of switching positions	2x Roller Mechanical
Plunger style	1-2nd switch position: Roller
Switch actuation force	1-2. Switch position: 8 N
Switching element	1-2. Switch position: BSE 86

### Range/Distance

Reproducibility	1-2. Switch position: ±0.05 mm
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## Connector Drawings



View of connector side

## Wiring Diagrams

