



1) Reference edge, 2) Function indicator FD/FE/LL



## Basic features

Approval/Conformity	CE CCC WEEE EAC
Basic standard	IEC 60947-5-1
Operating principle	1-4. Switch position: Mechanical
Version	Snap contact

## Display/Operation

Function indicator	1-4. Switch position: FD - 6...60 V
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## Electrical connection

Connection type	1-4. Switch position: Screw terminal
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## Electrical data

Continuous current	1-4. Switch position: 6 A
Rated operating voltage Ue	1-4. Switch position: 250 V AC
Switching function mechanical	Double-interrupting galvanically isolated One NO and one NC Dual changeover
Switching rate	1-4. Switch position: 300/min

## Environmental conditions

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

## Functional safety

B10d (EN ISO 13849-1)	BSE 30.0: 30 mil. Switching operations
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## Material

Housing material	Aluminum, Anodized
Housing material, surface protection	Anodized
Material contacts	1-4. Switch position: Silver, gold plated
Plunger material	1-4. Switch position: Stainless steel (1.4034)

## Mechanical data

Approach direction	longitudinal, parallel to attachment surface
Approach speed	1-4. Switch position: 120 m/min
Dimension	79 x 84 x 85.5 mm
Distance cam - reference edge	1-4. Switch position: 4.50...5.00 mm
Flange, feed-through	None
Installation	Vertical
Life expectancy mechanical	1-4. Switch position: 30 million Switching operations
Number of switching positions	4x Roller bearing
Plunger spacing 1st switch position	16 mm
Plunger style	1-4th switch position: Roller bearing
Switch actuation force	1-4. Switch position: 20 N
Switching element	1-4. Switch position: BSE 30.0

Range/Distance

Reproducibility  
Switch position spacing

1-4. Switch position:  $\pm 0.01$  mm  
16 mm

## Wiring Diagrams

BSE 30.0

