



1) Reference edge, 2) Mark. Safety switch position



Basic features

Approval/Conformity	CE CCC WEEE
Basic standard	IEC 60947-5-1
Operating principle	1-2. Switch position: Mechanical
Version	Safety EN 60204-1

Display/Operation

Function indicator	1-2. Switch position: None
---------------------------	----------------------------

Electrical connection

Connection type	1-2. Switch position: Screw terminal
------------------------	--------------------------------------

Electrical data

Continuous current	1-2. Switch position: 6 A
Rated operating voltage Ue	1-2. Switch position: 250 V AC
Switching function mechanical	NC forced-opening per VDE Double-interrupting Normally open with snap funct. galvanically isolated One NO and one NC Dual changeover
Switching rate	1-2. Switch position: 160/min

Environmental conditions

Ambient temperature	-5...85 °C
Protection degree	IP67

Functional safety

B10d (EN ISO 13849-1)	BSE 85: 1 mil. Switching operations
------------------------------	-------------------------------------

Material

Housing material	Aluminum, Anodized
Housing material, surface protection	Anodized
Material contacts	1-2. Switch position: Silver
Plunger material	1-2. Switch position: Stainless steel (1.4034)

Mechanical data

Approach direction	longitudinal, parallel to attachment surface
Approach speed	1-2. Switch position: 60 m/min
Dimension	79 x 48 x 73 mm
Distance cam - reference edge	1-2. Switch position: 4.50...5.00 mm
Flange, feed-through	None
Installation	Vertical
Life expectancy mechanical	1-2. Switch position: 1 million Switching operations
Number of switching positions	2x Roller
Plunger spacing 1st switch position	16 mm
Plunger style	1-2nd switch position: Roller
Switch actuation force	1-2. Switch position: 30 N
Switching element	1-2. Switch position: BSE 85

Range/Distance

Reproducibility
Switch position spacing

1-2. Switch position: ± 0.02 mm
16 mm

Wiring Diagrams

BSE 85

