



1) Reference edge



Display/Operation

Function indicator 1-4. Switch position: None

Electrical connection

Connection type 1-4. Switch position: Screw terminal

Electrical data

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

Environmental conditions

Ambient temperature -5...85 °C
 Protection type IEC 60529 IP67

Functional safety

B10d (EN ISO 13849-1) BSE 30.0: 30 mil. switching cycles
 Diagnostic coverage 0.0 %
 Functional safety no
 Mission Time 20 a

General data

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

Material

Housing material Aluminum
 Housing material, surface protection anodized
 Material contacts 1-4. Switch position: Fine 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 60 x 63 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 mil. switching operations
 Number of switching positions 4x Roller bearing
 Plunger spacing 1st switch position 12 mm
 Plunger style 1-4. 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	1-4. Switch position: ± 0.01 mm
Switch position spacing	12 mm

Specification of the MTTF value and the B10d value do not represent any binding quality and/or life expectancy guarantees.

Note that the products listed here are not themselves safety components according to the Machine Directive 2006/42/EG Article 2 c. It is however possible to create corresponding structures with a high Performance Level per EN 13849-1 by means of two-channel utilization.

Wiring Diagram

BSE 30.0

