



1) Reference edge



Display/Operation

Function indicator 1-3. Switch position: None

Electrical connection

Connection type 1-3. Switch position: Screw terminal

Electrical data

Continuous current 1-3. Switch position: 5 A
 Rated operating voltage U_e 1-3. Switch position: 250 V AC
 Switching function mechanical Single-pin changeover
 Switching rate 1-3. Switch position: 200/min

Environmental conditions

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

Functional safety

B10d (EN ISO 13849-1) BSE 70.1: 10 mil. Switching operations

General data

Approval/Conformity CE
 CCC
 Basic standard IEC 60947-5-1
 Operating principle 1-3. Switch position: mechanical
 Version Snap contact

Material

Contact material 1-3. Switch position: Fine silver
 Housing material Aluminum
 Housing material, surface protection Anodized
 Plunger material 1-3. Switch position: Stainless steel (1.4034)

Mechanical data

Approach direction longitudinal, parallel to attachment surface
 Approach speed 1-3. Switch position: 9 m/min
 Dimension 40 x 42 x 48 mm
 Distance cam - reference edge 1-3. Switch position: 2.30... 2.80 mm
 Flange, feed-through None
 Installation Vertical
 Life expectancy mechanical 1-3. Switch position: 10 mil. switching operations
 Number of switching positions 3x Ball
 Plunger spacing 1st switch position 13 mm
 Plunger style 1-3. switch position: Ball
 Switch actuation force 1-3. Switch position: 8 N
 Switching element 1-3. Switch position: BSE 70.1

Range/Distance

Reproducibility 1-3. Switch position: ± 0.03 mm
 Switch position spacing 8 mm

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values do not extend the limitation period for claims arising from defects or influence them in any other way.

We call you attention to the fact that the product listed here alone are not con-

sidered safety components according to Machine Directive 2006/42/EC Article 2c. It is however possible to construct structures per EN 13849-1 having a high

performance level using the products with two channels.

Wiring Diagram

