



1) Reference edge



Display/Operation

Function indicator 1. Switch position: None

Electrical connection

Connection type 1. Switch position: Screw terminal

Electrical data

Continuous current 1. Switch position: 0.1 A
 Rated operating voltage U_e 1. Switch position: 250 V AC
 Switching function mechanical Single-pin changeover
 Switching rate 1. Switch position: 200/min

Environmental conditions

Ambient temperature -5...85 °C
 IP rating per IEC 60529 IP67

Functional safety

B10d (EN ISO 13849-1) BSE 74.1: 10 mil. switching cycles

General data

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

Material

Housing material Aluminum
 Housing material, surface protection anodized
 Material contacts 1. Switch position: Gold
 Plunger material 1. Switch position: Stainless steel (1.4034)

Mechanical data

Approach direction lateral or at right angles to mounting surface
 Approach speed 1. Switch position: 20 m/min
 Dimension 42 x 22 x 47 mm
 Distance cam - reference edge 1. Switch position: 2.30...2.80 mm
 Flange, feed-through None
 Installation any
 Life expectancy mechanical 1. Switch position: 10 mil. switching operations
 Number of switching positions 1x Chisel
 Plunger spacing 1st switch position 11 mm
 Plunger style 1. Switch position: Chisel
 Switch actuation force 1. Switch position: 8 N
 Switching element 1. Switch position: BSE 74.1

Range/Distance

Reproducibility 1. Switch position: ± 0.02 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

