



1) Reference edge



**Basic features**

**Operating principle** 1. Switch position: Mechanical

**Display/Operation**

**Function indicator** 1. Switch position: None

**Electrical connection**

**Connection** M12x1-Flange male, 5-pin  
**Connection type** 1. Switch position: Connector

**Electrical data**

**Continuous current** 1. Switch position: 4 A  
**Rated operating voltage Ue** 1. Switch position: 250 V AC  
**Switching rate** 1. Switch position: 200/min

**Environmental conditions**

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

**Material**

**Housing material** Aluminium, Anodized  
**Housing material, surface protection** Anodized  
**Material contacts** 1. Switch position: Fine silver  
**Plunger material** 1. Switch position: 1.4034 stainless steel

**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 43 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** Chisel Mechanical  
**Plunger spacing 1st switch position** 11 mm  
**Plunger style** 1st switch position: Chisel  
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**Switch actuation force** 1. Switch position: 8 N  
**Switching element** 1. Switch position: BSE 69.1

**Range/Distance**

**Reproducibility** 1. Switch position: ±0.02 mm

## Connector Drawings



View of connector side

## Wiring Diagrams

