

1) Reference edge



## Basic features

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

## 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 function mechanical	Single-pin changeover
Switching rate	1. Switch position: 200/min

## Environmental conditions

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

## Functional safety

B10d (EN ISO 13849-1)	BSE 69.1: 10 mil. switching cycles
-----------------------	------------------------------------

## Material

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

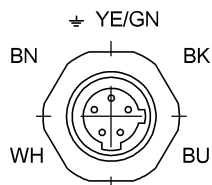
## Mechanical data

Approach direction	lateral or at right angles to mounting surface
Approach speed	1. Switch position: 60 m/min
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	Roller Mechanical
Plunger style	1st switch position: Roller
Switch actuation force	1. Switch position: 8 N
Switching element	1. Switch position: BSE 69.1

## Range/Distance

Reproducibility	1. Switch position: ±0.05 mm
-----------------	------------------------------

## Connector Drawings



View of connector side

## Wiring Diagrams

