

1) Reference edge



## Basic features

<b>Additional features</b>	without ground conductor connection
<b>Approval/Conformity</b>	CE UKCA CCC WEEE
<b>Basic standard</b>	IEC 60947-5-1
<b>Operating principle</b>	1. Switch position: Mechanical
<b>Version</b>	Snap contact

## Display/Operation

<b>Function indicator</b>	1. Switch position: None
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## Electrical connection

<b>Connection</b>	M12x1-Flange male, 4-pin, A-coded
<b>Connection type</b>	1. Switch position: Connector

## Electrical data

<b>Continuous current</b>	1. Switch position: 4 A
<b>Rated operating voltage Ue</b>	1. Switch position: 25 V AC/60 V DC
<b>Switching function mechanical</b>	Single-pin changeover
<b>Switching rate</b>	1. Switch position: 200/min

## Environmental conditions

<b>Ambient temperature</b>	-5...85 °C
<b>IP rating</b>	IP67

## Functional safety

<b>B10d (EN ISO 13849-1)</b>	BSE 70.1: 10 mil. switching cycles
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## Material

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

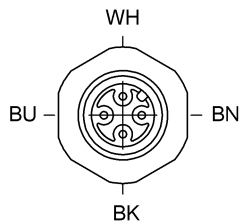
## Mechanical data

<b>Approach direction</b>	any
<b>Approach speed</b>	1. Switch position: 9 m/min
<b>Distance cam - reference edge</b>	1. Switch position: 2.30...2.80 mm
<b>Flange, feed-through</b>	None
<b>Installation</b>	any
<b>Life expectancy mechanical</b>	1. Switch position: 10 mil. switching operations
<b>Number of switching positions</b>	Ball Mechanical
<b>Plunger spacing 1st switch position</b>	10 mm
<b>Plunger style</b>	1st switch position: Ball
<b>Switch actuation force</b>	1. Switch position: 8 N
<b>Switching element</b>	1. Switch position: BSE 70.1

## Range/Distance

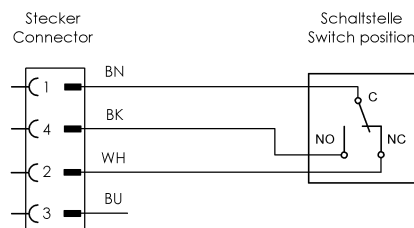
<b>Reproducibility</b>	1. Switch position: ±0.03 mm
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## Connector Drawings



View of connector side

## Wiring Diagrams



**ACHTUNG: Stecker ohne Schutzleiter!**  
Schutzklasse III (VDE 0160)

Attention: No groundwire!  
Protection Class III (VDE 0160)