

1) Reference edge, 2) Function indicator FC



## Basic features

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

## Display/Operation

Function indicator	1. Switch position: FC - 6...24 V
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## Electrical connection

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

## Electrical data

Continuous current	1. Switch position: 0.1 A
Rated operating voltage U <sub>e</sub>	1. Switch position: 24 V DC
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 74.1: 10 mil. switching cycles
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## Material

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

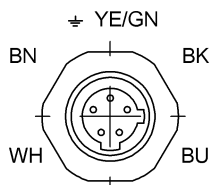
## Mechanical data

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 74.1

## Range/Distance

Reproducibility	1. Switch position: ±0.05 mm
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## Connector Drawings



View of connector side

## Wiring Diagrams

