

1) Reference edge



Basic features

| | |
|----------------------------|-------------------------------------|
| Additional features | without ground conductor connection |
| Approval/Conformity | CE UKCA CCC WEEE |
| Basic standard | IEC 60947-5-1 |
| DIN switch | DIN 43693 |
| Operating principle | 1. Switch position: Mechanical |
| Version | Snap contact |

Display/Operation

| | |
|---------------------------|--------------------------|
| Function indicator | 1. Switch position: None |
|---------------------------|--------------------------|

Electrical connection

| | |
|------------------------|-----------------------------------|
| Connection | M12x1-Flange male, 4-pin, A-coded |
| Connection type | 1. Switch position: Connector |

Electrical data

| | |
|--------------------------------------|--|
| Continuous current | 1. Switch position: 4 A |
| Rated operating voltage Ue | 1. Switch position: 25 V AC/60 V DC |
| Switching function mechanical | galvanically isolated One NO and one NC Dual changeover Double-interrupting |
| Switching rate | 1. Switch position: 300/min |

Environmental conditions

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

Functional safety

| | |
|------------------------------|------------------------------------|
| B10d (EN ISO 13849-1) | BSE 30.0: 30 mil. switching cycles |
|------------------------------|------------------------------------|

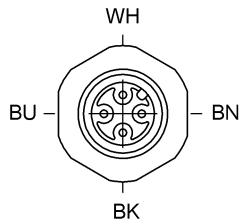
Material

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

Mechanical data

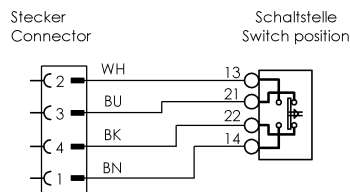
| | |
|--------------------------------------|--|
| Approach direction | lateral or at right angles to mounting surface |
| Approach speed | 1. Switch position: 40 m/min |
| Distance cam - reference edge | 1. Switch position: 4.50...5.00 mm |
| Flange, feed-through | None |
| Installation | any |
| Life expectancy mechanical | 1. Switch position: 30 mil. switching operations |
| Number of switching positions | Chisel Mechanical |
| Plunger style | 1st switch position: Chisel |
| Switch actuation force | 1. Switch position: 20 N |
| Switching element | 1. Switch position: BSE 30.0 |

Connector Drawings



View of connector side

Wiring Diagrams



Achtung: Stecker ohne Schutzleiter! Schutzklasse III (VDE 0160)
Attention: No groundwire! Protection Class III (VDE 0160)