



1) Scale ring, 2) Cover, 3) Reference edge, 4) Hinge, 5) Feather key, 6) Drive left-side



### Basic features

Approval/Conformity	CE BG WEEE
Basic standard	IEC 60947-5-1 IEC 60947-5-2
Operating principle	1. Switch position: Mechanical
Version	Safety EN 60204-1

### Electrical connection

Connection type	1. Switch position: Cable fitting via threaded insert
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### Electrical data

Cable entries, number	4 threaded exit M25
Continuous current	1-6. Switch position: 6 A
Pulses per revolution	30
Rated operating voltage Ue	1-6. Switch position: 250 V AC
Speed max.	200 r/min
Speed monitor	Without loss of switch position

### Environmental conditions

Ambient temperature	-5...80 °C
IP rating	IP65

### Functional safety

B10d (EN ISO 13849-1)	BSE 61: 30 mil. Switching operations
BG certified	yes
MTTF (40 °C)	Speed monitoring WA: 830 a

### Material

Housing material	Aluminum, Anodized
Housing material, surface protection	Anodized
Material contacts	1-6. Switch position: Silver

### Mechanical data

Cam rings	1-6. Switch position: 180°
Cam rings can be secured	yes
Connection cross-section	1.5 mm <sup>2</sup>
Dimension	185 x 140 x 187 mm
Drive shaft, length	40.00 mm
Drive type	left
Life expectancy mechanical	1. Switch position: 30 million Switching operations
Minimum torque	1.0 Nm
Mounting hold spacing B	165.0 mm
Rotation direction monitoring	no
Switching element	1-6. Switch position: BSE 61

### Range/Distance

Opening angle min.	15°
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## Wiring Diagrams

BSE 61

