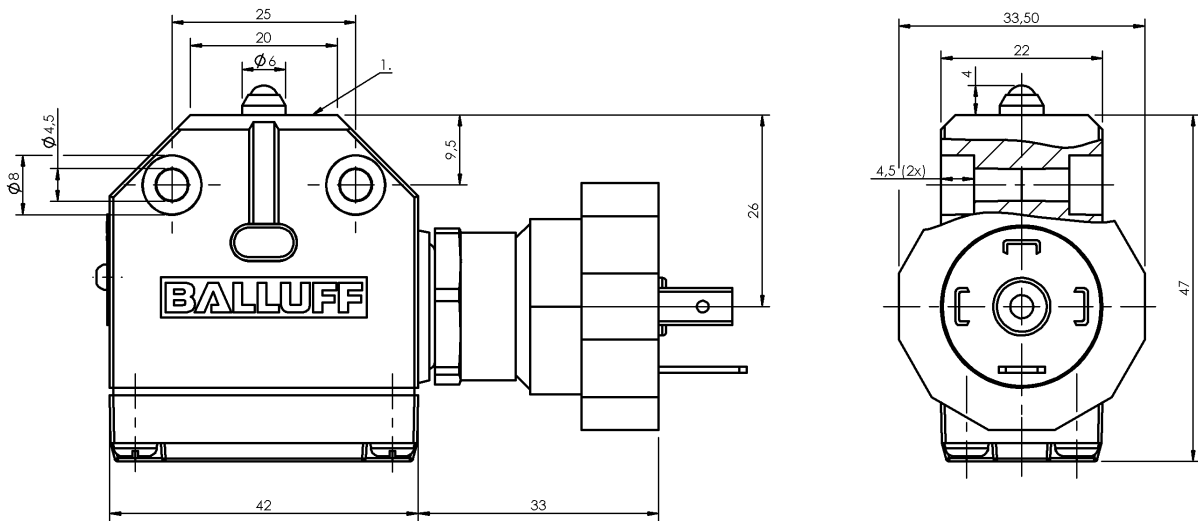


Mechanical Cam Switches
BNS 819-X963-100-K-13
 Order Code: BNS04CR

BALLUFF



1) Reference edge

Basic features

Approval/Conformity	CE WEEE
Operating principle	1. Switch position: Mechanical
Version	Snap contact

Display/Operation

Function indicator	1. Switch position: None
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Electrical connection

Connection type	1. Switch position: Screw terminal
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Electrical data

Continuous current	1. Switch position: 0.1 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

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

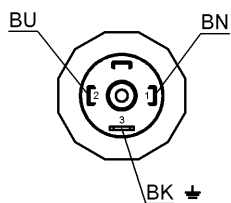
Mechanical data

Approach direction	any
Approach speed	1. Switch position: 9 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	Ball Mechanical
Plunger style	1st switch position: Ball
Switch actuation force	1. Switch position: 8 N
Switching element	1. Switch position: BSE 74.1

Range/Distance

Reproducibility	1. Switch position: ±0.03 mm
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Connector Drawings



View of connector side

Wiring Diagrams

