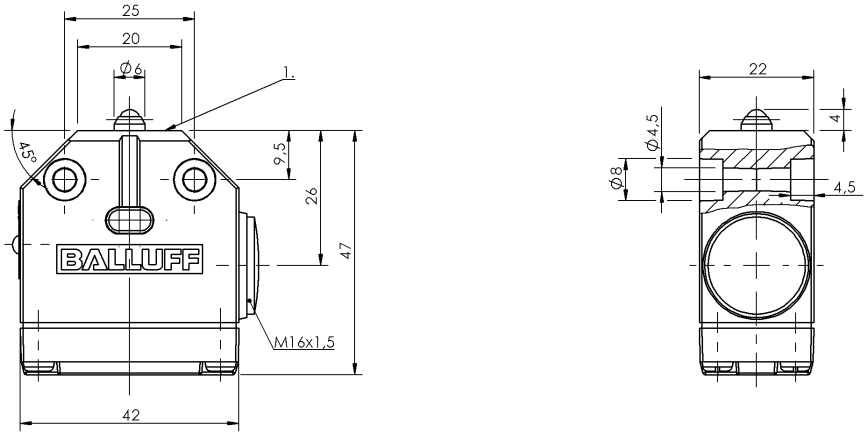
BNS 819-100-K-13
BNS0067



1) Reference edge

Display/Operation

Function indicator	1. Switch position: None

Electrical connection

Connection type	1. Switch position: Screw terminal

Electrical data

Continuous current	1. Switch position: 0.1 A
Rated operating voltage Ue	1. Switch position: 250 VAC
Switching function mechanical	Single-pin changeover
Switching rate	1. Switch position: 200/min

Environmental conditions

Ambient temperature	-5…85 °C
Ambient temperature max.	85 °C
Ambient temperature min.	-5 °C
Protection type IEC 60529	IP67

Functional safety

B10d	BSE 74.1: 10 mil. switching cycles
Diagnostic coverage	0.0 %
Functional safety	no
Mission Time	20 a

General data

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

Material

Housing material	Aluminum
Material contacts	1. Switch position: Gold
Plunger material	1. Switch position: 1.4034
Surface protection	Anodized

Mechanical data

Approach direction	any
Approach speed	1. Switch position: 9 m/min
Dimension	42 x 22 x 47 mm
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	1x Ball
Plunger spacing 1st switch position	11 mm
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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Specification of the MTTF value and the B10d value do not represent any binding quality and/or life expectancy guarantees.

Note that the products listed here are not themselves safety components according to the Machine Directive 2006/42/EG Article 2 c. It is however possible to create corresponding structures with a high Performance Level per EN 13849-1 by means of two-channel utilization.

Wiring Diagramm