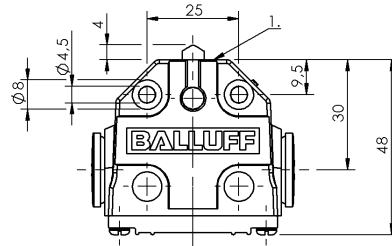
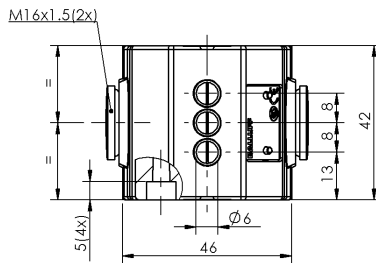


BNS 819-B03-D08-40-11 BNS01RP



1) Reference edge



Display/Operation

Function indicator 1-3. Switch position: None

Electrical connection

Connection type 1-3. Switch position: Screw terminal
Connector configuration undefined

Electrical data

Continuous current 1-3. Switch position: 5 A
Rated operating voltage U_e 1-3. Switch position: 250 VAC
Switching function mechanical Single-pin changeover
Switching rate 1-3. Switch position: 200/min

Environmental conditions

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

Functional safety

B10d BSE 70.1: 10 mil. switching cycles
Diagnostic coverage 0.0 %
Functional safety no
Mission Time 20 a

General data

Approval/Conformity CE
CCC

Basic standard
Operating principle

IEC 60947-5-1
1-3. Switch position: mechanical
Snap contact

Version

Material

Housing material Aluminum
Material contacts 1-3. Switch position: Fine silver
Plunger material 1-3. Switch position: Stainless steel (1.4034)
Surface protection anodized

Mechanical data

Approach direction longitudinal, parallel to attachment surface
Approach speed 1-3. Switch position: 20 m/min
Dimension 40 x 42 x 48 mm
Distance cam - reference edge 1-3. Switch position: 2.30... 2.80 mm
Flange, feed-through None
Installation Vertical
Life expectancy mechanical 1-3. Switch position: 10 mil. switching operations
Number of switching positions 3x Chisel
Plunger spacing 1st switch position 13 mm
Plunger style 1-3. Switch position: Chisel
Switch actuation force 1-3. Switch position: 8 N
Switching element 1-3. Switch position: BSE 70.1

Range/Distance

Reproducibility 1-3. Switch position: ± 0.02 mm
Switch position spacing 8 mm

BNS 819-B03-D08-40-11 BNS01RP

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 Diagram

