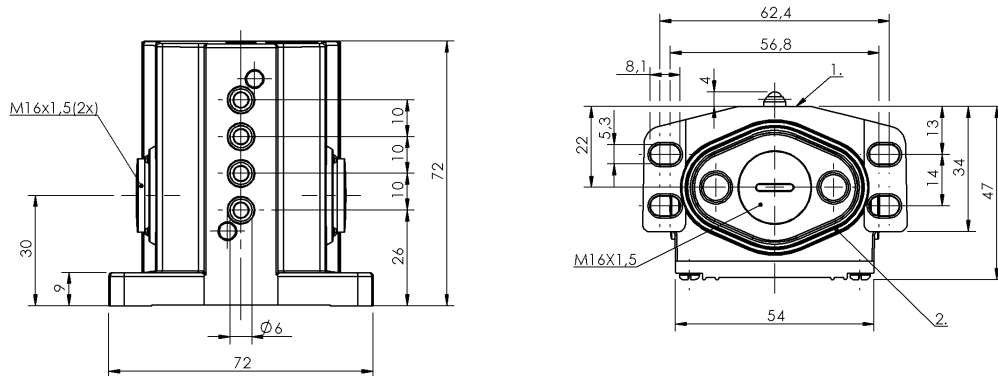


## BNS 819-B04-K10-46-11 BNS01WT



1) Reference edge 2) Sealing ring



### Display/Operation

Function indicator 1-4. Switch position: None

### Electrical connection

Connection type 1-4. Switch position: Screw terminal

### Electrical data

Continuous current 1-4. Switch position: 5 A  
 Rated operating voltage  $U_e$  1-4. Switch position: 250 VAC  
 Switching function mechanical Single-pin changeover  
 Switching rate 1-4. 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  
 CSA  
 Basic standard IEC 60947-5-1

### Operating principle

1-4. Switch position: mechanical

### Version

Snap contact

### Material

Housing material Aluminum  
 Material contacts 1-4. Switch position: Fine silver  
 Plunger material 1-4. Switch position: Stainless steel (1.4034)  
 Surface protection anodized

### Mechanical data

Approach direction longitudinal, parallel to attachment surface  
 Approach speed 1-4. Switch position: 9 m/min  
 Dimension 72 x 72 x 47 mm  
 Distance cam - reference edge 1-4. Switch position: 2.30... 2.80 mm  
 Flange, feed-through 1 threaded exit M16  
 Installation Vertical  
 Life expectancy mechanical 1-4. Switch position: 10 mil. switching operations  
 Number of switching positions 4x Ball  
 Plunger spacing 1st switch position 26 mm  
 Plunger style 1-4. Switch position: Ball  
 Switch actuation force 1-4. Switch position: 8 N  
 Switching element 1-4. Switch position: BSE 70.1

### Range/Distance

Reproducibility 1-4. Switch position:  $\pm 0.03$  mm  
 Switch position spacing 10 mm

Specification of the MTTF value and the B10d value do not represent any binding quality and/or life expectancy guarantees.

## BNS 819-B04-K10-46-11 BNS01WT

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 possi-

ble to create corresponding structures with a high Performance Level per EN 13849-1 by means of two-channel utilization.

### Wiring Diagram

