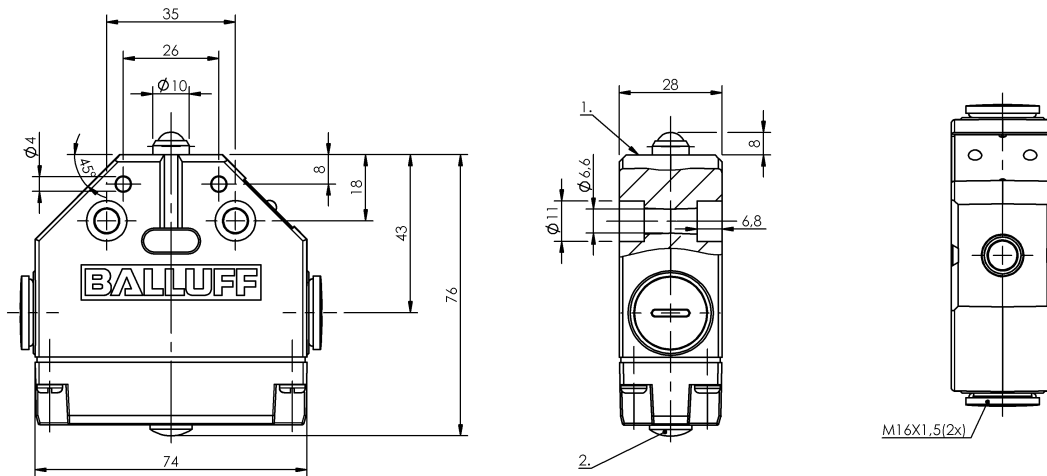


BNS 819-FK-60-101-FD BNS0006



1) Reference edge 2) Function indicator FD/FE/LL



Display/Operation

Function indicator 1. Switch position: FD - 6...60 V

Electrical connection

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

Electrical data

Continuous current 1. Switch position: 6 A
Rated operating voltage U_e 1. Switch position: 250 VAC
Switching function mechanical Double-interrupting galvanically isolated One NO and one NC Dual changeover
Switching rate 1. Switch position: 300/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 30.0: 30 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
DIN switch DIN 43693
Operating principle 1. Switch position: Mechanical
Version Snap contact

Material

Housing material Aluminum
Material contacts 1. Switch position: Silver, gold plated
Plunger material 1. Switch position: 1.4034
Surface protection Anodized

Mechanical data

Approach direction any
Approach speed 1. Switch position: 10 m/min
Dimension 74 x 28 x 76.5 mm
Distance cam - reference edge 1. Switch position: 4.50...5.00 mm
Flange, feed-through None
Installation any
Life expectancy mechanical 1. Switch position: 30 mil. switching operations
Number of switching positions 1x Ball
Plunger spacing 1st switch position 14 mm
Switch actuation force 1. Switch position: 20 N
Switching element 1. Switch position: BSE 30.0

BNS 819-FK-60-101-FD BNS0006

Range/Distance

Reproducibility

1. Switch position: ± 0.002 mm

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

BSE 30.0

