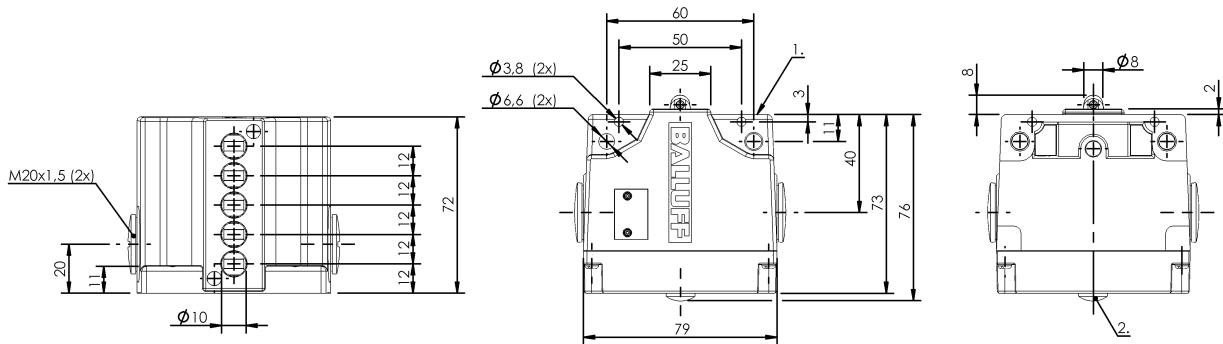


BNS 819-B05-R12-61-12-10-FD BNS02AW



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



Display/Operation

Function indicator 1-5. Switch position: FD - 6...
60 V

Electrical connection

Connection type 1-5. Switch position: Screw
terminal

Electrical data

Continuous current 1-5. Switch position: 6 A
Rated operating voltage U_e 1-5. Switch position: 250 VAC
Switching function mechanical Double-interrupting
galvanically isolated
One NO and one NC
Dual changeover
Switching rate 1-5. Switch position: 300/min

Environmental conditions

Ambient temperature -5...85 °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
Operating principle 1-5. Switch position:
mechanical
Version Snap contact

Material

Housing material Aluminum
Material contacts 1-5. Switch position: Fine silver,
gold plated
Plunger material 1-5. Switch position: Stainless
steel (1.4034)
Surface protection anodized

Mechanical data

Approach direction longitudinal, parallel to
attachment surface
Approach speed 1-5. Switch position: 60 m/min
Distance cam - reference edge 1-5. Switch position: 4.50...
5.00 mm
Flange, feed-through None
Installation Vertical
Life expectancy mechanical 1-5. Switch position: 30 mil.
switching operations
Number of switching positions 5x Role
Plunger style 1-5. Switch position: Role
Switch actuation force 1-5. Switch position: 20 N
Switching element 1-5. Switch position: BSE 30.0

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Range/Distance

Reproducibility

1-5. Switch position: ± 0.01 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 Diagram

BSE 30.0

