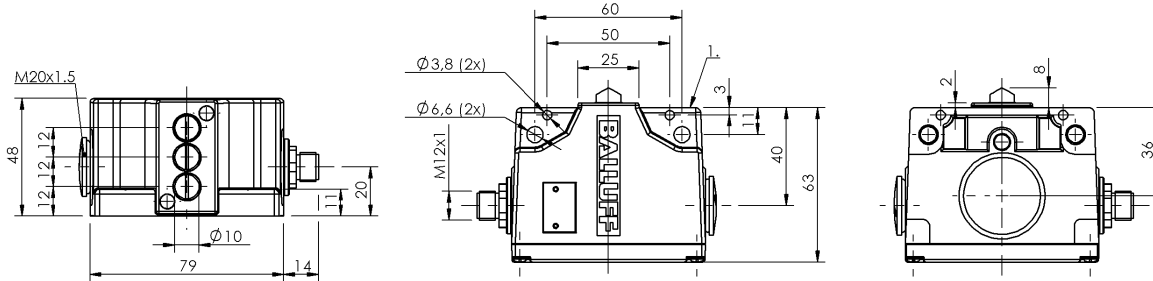


BNS 819-B03-D12-61-12-10-S80R BNS028H



1) Reference edge



Display/Operation

Function indicator 1-3. Switch position: None

Electrical data

Connector, order code BKS-S 80-G-PU-05 (straight)
BKS-S 80-W-PU-05 (right-angle)

Continuous current 1-3. Switch position: 6 A

Rated operating voltage U_e 1-3. Switch position: 250 VAC

Switching function mechanical galvanically isolated
One NO and one NC
Dual changeover
Double-interrupting

Switching rate 1-3. 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

1-3. Switch position:
mechanical

Version

Snap contact

Material

Housing material Aluminum

Material contacts 1-3. Switch position: Fine silver,
gold plated

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: 40 m/min

Dimension 79 x 48 x 63 mm

Distance cam - reference edge 1-3. Switch position: 4.50...
5.00 mm

Flange, feed-through None

Installation Vertical

Life expectancy mechanical 1-3. Switch position: 30 mil.
switching operations

Number of switching positions 3x Chisel

Plunger spacing 1st switch position 12 mm

Plunger style 1-3. Switch position: Chisel

Switch actuation force 1-3. Switch position: 20 N

Switching element 1-3. Switch position: BSE 30.0

Range/Distance

Reproducibility 1-3. Switch position: ±0.002
mm

Switch position spacing 12 mm

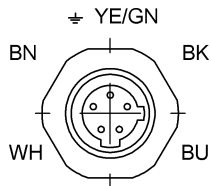
BNS 819-B03-D12-61-12-10-S80R BNS028H

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.

Connector view



View of connector side

Wiring Diagram

