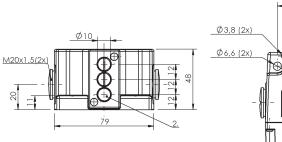
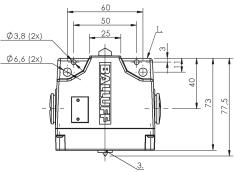
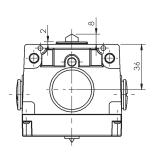
BNS 819-B03-D12-61-12-55-1127 BNS028L









1) Reference edge 2) Active surface

- Mech. multiple position
- Snap contact
- Chisel



Additional features Approvals / Conformity

Basic standard

DIN switch

Enclosure Type per IEC 60529 Function indicator

MTTF (40°C)

B10d

Electrical attributes

Continuous current

Effective operating voltage Ue

Switching function mech.

Mechanical attributes

Ambient temperature Ta max. Ambient temperature Ta min. Approach direction

Assured operating distance Sa

Connection

Connector

Approach speed

Contact material

Depth

Diameter of active surface

Dist. cam to reference edge

Flange feedthrough

None CE

CCC IEC 60947-5-1

IEC 60947-5-2 No

IP67

1st pos.: fiberoptic 2nd pos.: none 3rd pos.: none

BES 517-110: 490 years BSE 30.0: 30 mil. swit. cycles

1st pos.: 0.2 A 2nd pos.: 6 A 3rd pos.: 6 A

1st pos.: 24 V DC Dual output function Galvanically isolated One NO and one NC Double-interrupting

70 °C

-5 °C

Lengthwise, par. to mtg. surf. 3rd pos.: 40 m/min 2nd pos.: 40 m/min 1st pos.: 0 - 1.6 mm screw terminal

2. screw terminal 1. screw terminal

None 2nd pos.: silver, gold plated 3rd pos.: silver, gold plated

77.5 mm 10.0 mm

2nd pos.: 5 - 0.5 mm 3rd pos.: 5 - 0.5 mm

None



Height (H) Housing finish Housing material Mech. installation condition Mechanical life expectancy

No. of switch positions Operating principle

Plgr. dist. 1st switch pos. Plunger block Plunger diameter

Plunger material Plunger style

Rated operating distance Sn [mm]

Spacing (T) Style

Switching element

Switching operation force

Switching rate

Type Version Width

48.0 mm Eloxal Aluminum Vertical

3rd pos.: 30 mil. operations 2nd pos.: 30 mil. operations

3 ST

3rd pos.: mechanical 2nd pos.: mechanical 1st pos.: inductive

12 mm No 10 0 mm

3rd pos.: stainless steel 2nd pos.: stainless steel 3rd pos.: Chisel 2nd pos.: Chisel 1st pos.: 2.0 mm

12 mm

3rd pos.: BSE 30.0 2nd pos.: BSE 30.0 1st pos.: BES 517-110

2nd pos.: min. 20 N 3rd pos.: min. 20 N 3rd pos.: max. 300/min 2nd pos.: max. 300/min Mech. multiple position Snap contact

Remarks

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

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