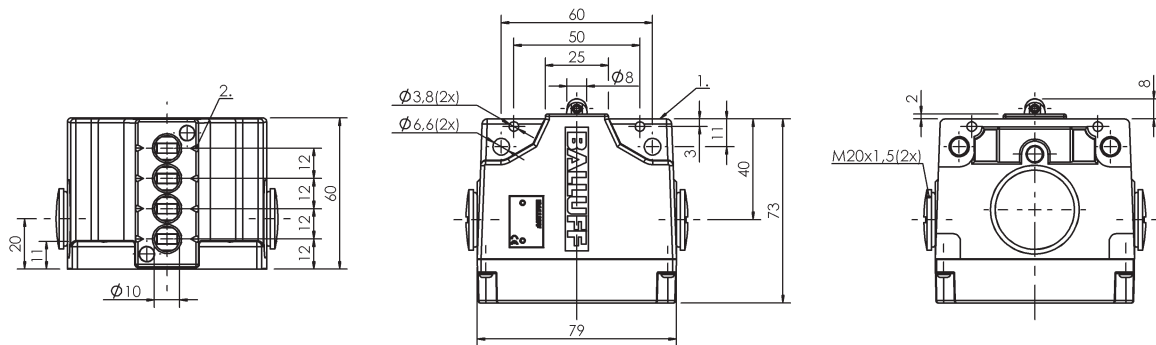




1) Reference edge 2) Mark f. safety switch pos.

- Mech. multiple position
- Safety EN 60204-1
- Roller

**General attributes**Additional features
Approvals / ConformityBasic standard
DIN switch
Enclosure Type per IEC 60529
Function indicatorNone
CE
CCC
IEC 60947-5-1
No
IP67
1st pos.: none
2nd pos.: none
3rd pos.: none
4th pos.: none

Dist. cam to reference edge

Flange feedthrough
Height (H)
Housing finish
Housing material
Mech. installation condition
Mechanical life expectancy4th pos.: 5 - 0.5 mm
3rd pos.: 5 - 0.5 mm
2nd pos.: 5 - 0.5 mm
1st pos.: 5 - 0.5 mm
None
60.0 mm
Eloxal
Aluminum
Vertical
1st pos.: 1 mil. operations
3rd pos.: 1 mil. operations
4th pos.: 1 mil. operations
2nd pos.: 1 mil. operations**Electrical attributes**

Continuous current

Effective operating voltage Ue

Switching function mech.

1st pos.: 6 A
2nd pos.: 6 A
3rd pos.: 6 A
4th pos.: 6 A
1st pos.: 250 V AC
2nd pos.: 250 V AC
4th pos.: 250 V AC
3rd pos.: 250 V AC
NC forced-opening per VDE
Dual output function
Double-interrupting
Normally open with snap funct.
Galvanically isolated
One NO and one NCNo. of switch positions
Operating principlePlgr. dist. 1st switch pos.
Plunger block
Plunger diameter
Plunger material

Plunger style

4th pos.: mechanical
3rd pos.: mechanical
2nd pos.: mechanical
1st pos.: mechanical
12 mm
No
10.0 mm
1st pos.: stainless steel
2nd pos.: stainless steel
3rd pos.: stainless steel
4th pos.: stainless steel
1st pos.: Roller
2nd pos.: Roller
3rd pos.: Roller
4th pos.: Roller
12 mm
61**Mechanical attributes**Ambient temperature Ta max.
Ambient temperature Ta min.
Approach direction
Approach speed

Connection

Connector
Contact material

Depth

85 °C
-5 °C
Lengthwise, par. to mtg. surf.
4th pos.: 60 m/min
3rd pos.: 60 m/min
2nd pos.: 60 m/min
1st pos.: 60 m/min
4. screw terminal
3. screw terminal
2. screw terminal
1. screw terminal
None
1st pos.: silver
2nd pos.: silver
3rd pos.: silver
4th pos.: silver
73.0 mmSpacing (T)
Style
Switching element

Switching operation force

Switching rate

Type
Version
Width3rd pos.: BSE 85
4th pos.: BSE 85
1st pos.: BSE 85
2nd pos.: BSE 85
4th pos.: min. 30 N
3rd pos.: min. 30 N
2nd pos.: min. 30 N
1st pos.: min. 30 N
4th pos.: max. 160/min
3rd pos.: max. 160/min
2nd pos.: max. 160/min
1st pos.: max. 160/min
Mech. multiple position
Safety EN 60204-1
79 mm

Mechanical position switch

BNS 813-B04-R12-61-A-22-04
BNS02MM

BALLUFF
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BSE 85

