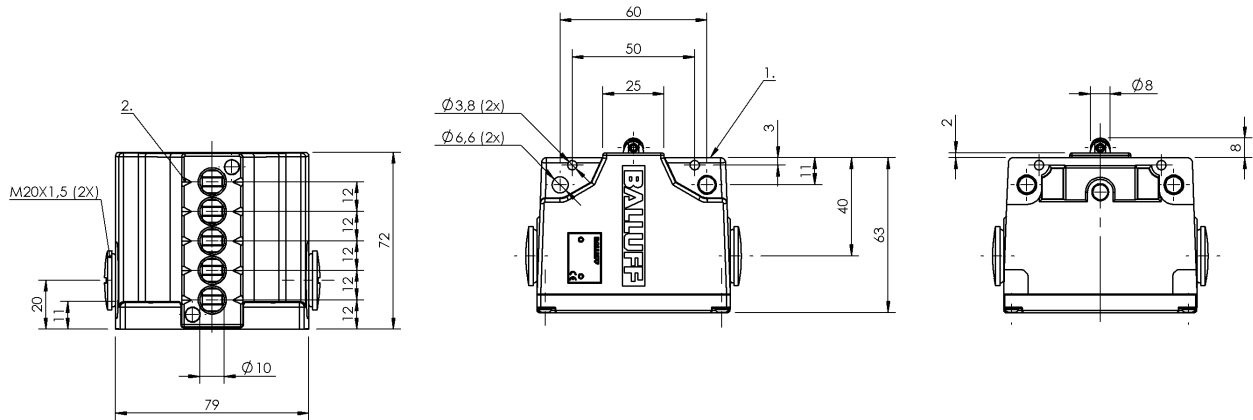


Mechanical Cam Switches

BNS 813-B05-L12-61-A-12-05

Order Code: BNS02NH

BALLUFF



1) Reference edge, 2) Mark. Safety switch position



Basic features

Approval/Conformity	CE CSA WEEE
Operating principle	1-5. Switch position: Mechanical
Version	Safety EN 60204-1

Display/Operation

Function indicator	1-5. Switch position: None
--------------------	----------------------------

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 V AC
Switching rate	1-5. Switch position: 300/min

Environmental conditions

Ambient temperature	-5...85 °C
IP rating	IP67

Functional safety

B10d (EN ISO 13849-1)	BSE 61: 30 mil. switching cycles
-----------------------	----------------------------------

Material

Housing material	Aluminium, Anodized
Housing material, surface protection	Anodized
Material contacts	1-5. Switch position: Fine silver
Plunger material	1-5. Switch position: 1.4034 stainless steel

Mechanical data

Approach direction	longitudinal, parallel to attachment surface
Approach speed	1-5. Switch position: 120 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 Roller bearing Mechanical
Plunger style	1-5. switch position: Roller bearing 1-5. switch position: Roller bearing
Switch actuation force	1-5. Switch position: 15 N
Switching element	1-5. Switch position: BSE 61

Range/Distance

Reproducibility	1-5. Switch position: ±0.01 mm
-----------------	--------------------------------

Wiring Diagrams

BSE 61

