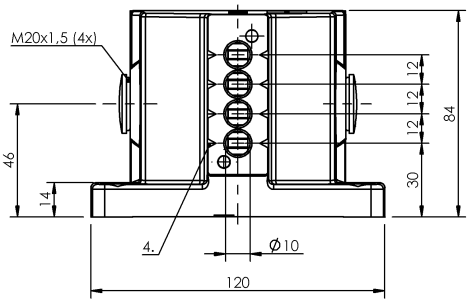
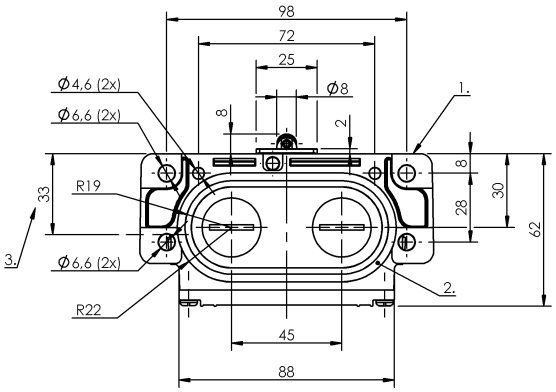
Mechanical Cam Switches

BNS 813-D04-L12-62-12-04
Order Code: BNS01E6





1) Reference edge, 2) Sealing ring, 3) Cable passage, 4) Mark. Safety switch position

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Basic features

Approval/Conformity	CE CCC WEEE
Basic standard	IEC 60947-5-1
Operating principle	1-4. Switch position: Mechanical
Version	Safety EN 60204-1

Display/Operation

Function indicator	1-4. Switch position: None

Electrical connection

Connection type	1-4. Switch position: Screw terminal

Electrical data

Continuous current	1-4. Switch position: 6 A
Rated operating voltage Ue	1-4. Switch position: 250 V AC
Switching function mechanical	Double-interrupting NC forced-opening per VDE
Switching rate	1-4. Switch position: 300/min

Environmental conditions

Ambient temperature	-5...85 °C
Protection degree	IP67

Functional safety

B10d (EN ISO 13849-1)	BSE 61: 30 mil. Switching operations

Material

Housing material	Aluminum, Anodized
Housing material, surface protection	Anodized
Material contacts	1-4. Switch position: Silver
Plunger material	1-4. Switch position: Stainless steel (1.4034)

Mechanical data

Approach direction	longitudinal, parallel to attachment surface
Approach speed	1-4. Switch position: 120 m/min
Dimension	120 x 84 x 62 mm
Distance cam - reference edge	1-4. Switch position: 4.50...5.00 mm
Flange, feed-through	2 threaded exit M20
Installation	Vertical
Life expectancy mechanical	1-4. Switch position: 30 million Switching operations
Number of switching positions	4x Roller bearing
Plunger spacing 1st switch position	30 mm
Plunger style	1-4th switch position: Roller bearing
Switch actuation force	1-4. Switch position: 15 N
Switching element	1-4. Switch position: BSE 61

Range/Distance

Reproducibility	1-4. Switch position: ±0.01 mm
Switch position spacing	12 mm

Wiring Diagrams

BSE 61