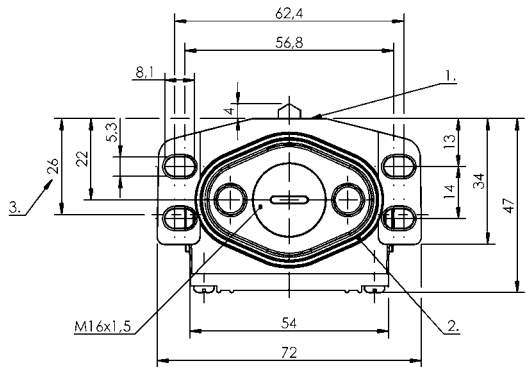
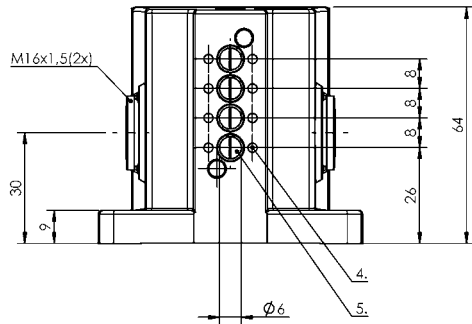


Mechanical Cam Switches
BNS 813-B04-D08-46-69-04
Order Code: BNS057C

BALLUFF



1) Reference edge, 2) Sealing ring, 3) Cable passage, 4) Mark. Safety switch position, 5) 1st pos.



Basic features

Approval/Conformity	CE UKCA CCC WEEE
Basic standard	IEC 60947-5-1
Operating principle	1-4. Switch position: Mechanical with forced opening
Version	

Display/Operation

Function indicator	1-4. Switch position: None
--------------------	----------------------------

Electrical connection

Connection type	1-4. Switch position: Solder connection
-----------------	---

Electrical data

Continuous current	1-4. Switch position: 5 A
Rated operating voltage U _e	1-4. Switch position: 250 V AC
Switching rate	1-4. Switch position: 200/min

Environmental conditions

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

Functional safety

B10d (EN ISO 13849-1)	BSE 86: 10 mil. switching cycles
-----------------------	----------------------------------

Material

Housing material	Aluminium, Anodized
Housing material, surface protection	Anodized
Material contacts	1-4. Switch position: Silver
Plunger material	1-4. Switch position: 1.4034 stainless steel

Mechanical data

Approach direction	longitudinal, parallel to attachment surface
Approach speed	1-4. Switch position: 20 m/min
Distance cam - reference edge	1. Switch position: 2.50...2.80 mm 2-4. Switch position: 2.30...2.80 mm
Flange, feed-through	1 threaded exit M16
Installation	Vertical
Life expectancy mechanical	1-4. Switch position: 10 mil. switching operations
Number of switching positions	4x Chisel Mechanical
Plunger style	1-4th switch position: Chisel
Switch actuation force	1-4. Switch position: 8 N
Switching element	1-4. Switch position: BSE 86

Range/Distance

Reproducibility	1-4. Switch position: ±0.02 mm
-----------------	--------------------------------

Wiring Diagrams

