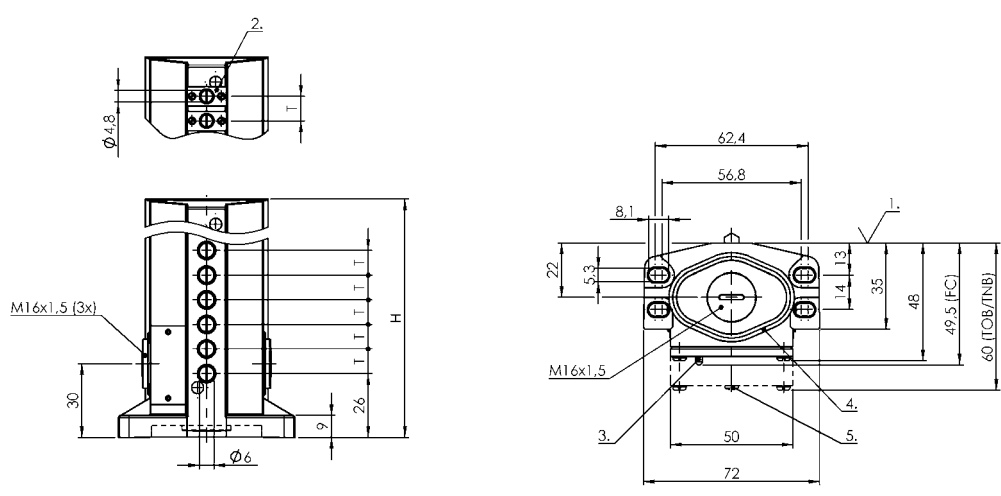


Mechanical Cam Switches
BNS 819-B08-D08-46-13
Order Code: BNS020Y



1) Reference edge, 2) Anti-crystallization plunger, 3) Function indicator FC, 4) Sealing ring, 5) Function indicator FD/FE/LL



Basic features

Operating principle	1-8. Switch position: Mechanical
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Display/Operation

Function indicator	1-8. Switch position: None
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Electrical connection

Connection type	1-8. Switch position: Screw terminal
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Electrical data

Continuous current	1-8. Switch position: 0.1 A
Rated operating voltage Ue	1-8. Switch position: 250 V AC
Switching rate	1-8. Switch position: 200/min

Environmental conditions

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

Material

Housing material	Aluminum, Anodized
Housing material, surface protection	Anodized
Material contacts	1-8. Switch position: Gold
Plunger material	1-8. Switch position: Stainless steel (1.4034)

Mechanical data

Approach direction	longitudinal, parallel to attachment surface
Approach speed	1-8. Switch position: 20 m/min
Distance cam - reference edge	1-8. Switch position: 2.30...2.80 mm
Flange, feed-through	1 threaded exit M16
Installation	Vertical
Life expectancy mechanical	1-8. Switch position: 10 million Switching operations
Number of switching positions	8x Chisel Mechanical
Plunger style	1-8th switch position: Chisel 1-8th switch position: Chisel
Switch actuation force	1-8. Switch position: 8 N
Switching element	1-8. Switch position: BSE 74.1

Range/Distance

Reproducibility	1-8. Switch position: ±0.02 mm
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Wiring Diagrams

