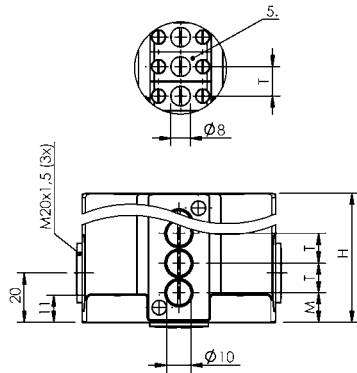
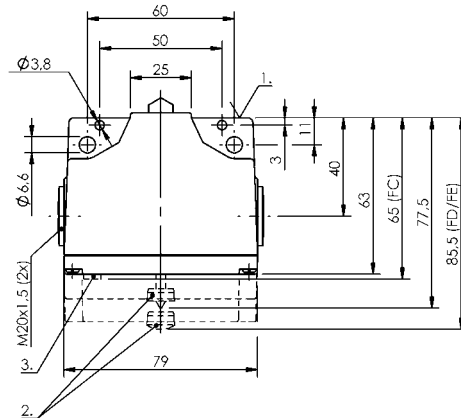


Mechanical Cam Switches
BNS 819-B03-E12-61-12-10
Order Code: BNS028W

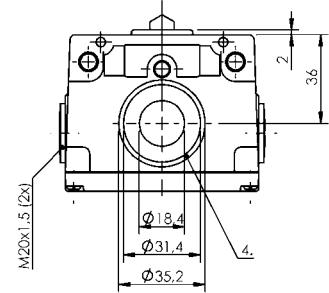
BALLUFF



Gehäuse B/Housing B



Gehäuse B (Standard)/Housing B (Standard)



Gehäuse C/Housing C

M=12	BNS...61-12..
M=16	BNS...61-16..
M=24	BNS...61-24..
M=30	BNS...61-30..

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



Basic features

Operating principle 1-3. Switch position: Mechanical

Display/Operation

Function indicator 1-3. Switch position: None

Electrical connection

Connection type 1-3. Switch position: Screw terminal

Electrical data

Continuous current 1-3. Switch position: 6 A
Rated operating voltage U_e 1-3. Switch position: 250 V AC
Switching rate 1-3. Switch position: 300/min

Environmental conditions

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

Material

Housing material Aluminium, Anodized
Housing material, surface protection Anodized
Material contacts 1-3. Switch position: Silver, gold plated
Plunger material 1-3. Switch position: 1.4034 stainless steel

Mechanical data

Approach direction longitudinal, parallel to attachment surface
Approach speed 1-3. Switch position: 30 m/min
Dimension 79 x 48 x 63 mm
Distance cam - reference edge 1-3. Switch position: 4.50...5.00 mm
Flange, feed-through None
Installation Vertical
Life expectancy mechanical 1-3. Switch position: 30 mil. switching operations
Number of switching positions 3x E-chisel Mechanical
Plunger spacing 1st switch position 12 mm
Plunger style 1-3rd switch position: E-chisel
Switch actuation force 1-3. Switch position: 20 N
Switching element 1-3. Switch position: BSE 30.0

Range/Distance

Reproducibility 1-3. Switch position: ± 0.002 mm
Switch position spacing 12 mm

Wiring Diagrams

BSE 30.0

