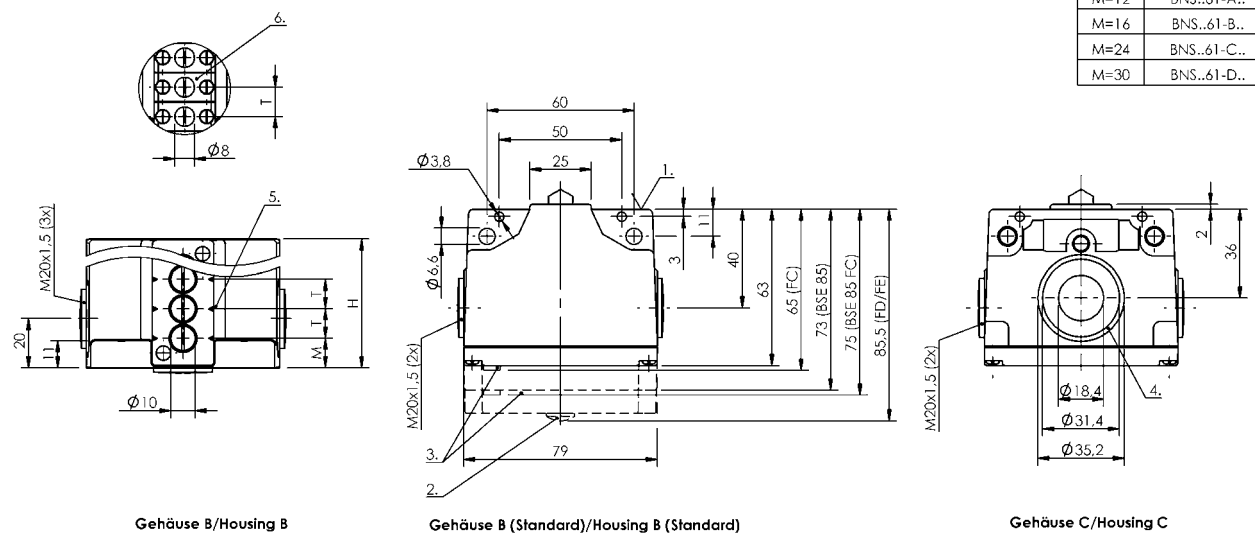


Mechanical Cam Switches
BNS 813-B04-D16-61-B-12-04
Order Code: BNS03WM



M=12	BNS..61-A..
M=16	BNS..61-B..
M=24	BNS..61-C..
M=30	BNS..61-D..



1) Reference edge, 2) Function indicator FD/FE/LL, 3) Function indicator FC, 4) Sealing ring, 5) Mark. Safety switch position, 6) Anti-crystallization plunger



Basic features

Approval/Conformity	CE UKCA WEEE
Operating principle	1-4. Switch position: Mechanical
Version	Safety EN 60204-1

Display/Operation

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

Connection type	1-4. Switch position: Screw terminal
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Electrical data

Continuous current	1-4. Switch position: 6 A
Rated operating voltage U _e	1-4. Switch position: 250 V AC
Switching rate	1-4. 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. Switch position: Silver 2-4. Switch position: Silver, gold plated
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: 40 m/min
Dimension	79 x 84 x 63 mm
Distance cam - reference edge	1-4. Switch position: 4.50...5.00 mm
Flange, feed-through	None
Installation	Vertical
Life expectancy mechanical	1-4. Switch position: 30 mil. switching operations
Number of switching positions	4x Chisel Mechanical
Plunger spacing 1st switch position	16 mm
Plunger style	1-4th switch position: Chisel
Switch actuation force	1. Switch position: 15 N 2-4. Switch position: 20 N
Switching element	1-4. Switch position: BSE 61

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Range/Distance

Reproducibility
Switch position spacing

1-4. Switch position: ± 0.002 mm
16 mm