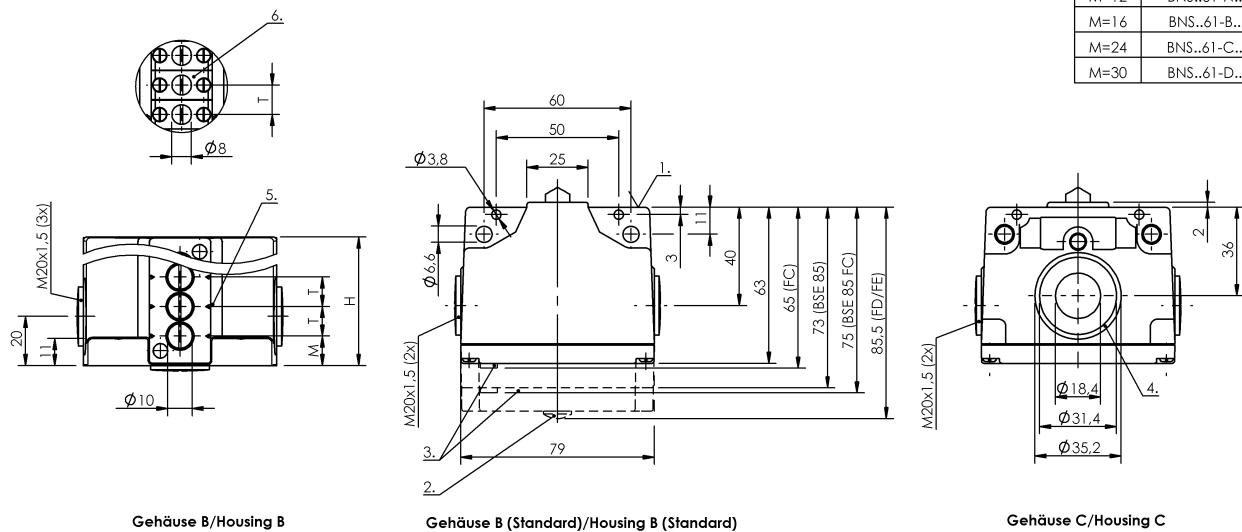


Mechanical Cam Switches
BNS 813-B06-R12-61-A-22-06-FC
Order Code: BNS02PJ

BALLUFF

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



Display/Operation

Function indicator 1-6. Switch position: FC - 6...24 V

Electrical connection

Connection type 1-6. Switch position: Screw terminal

Electrical data

Continuous current 1-6. Switch position: 6 A
Rated operating voltage U_e 1-6. Switch position: 250 V AC
Switching function mechanical NC forced-opening per VDE
Double-interrupting
Normally open with snap funct.
galvanically isolated
One NO and one NC
Dual changeover
Switching rate 1-6. Switch position: 160/min

Environmental conditions

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

Functional safety

B10d (EN ISO 13849-1) BSE 85: 1 mil. Switching operations

General data

Approval/Conformity

CE
CCC
WEEE

Basic standard

IEC 60947-5-1

Operating principle

1-6. Switch position: Mechanical
Safety EN 60204-1

Version

Material

Housing material Aluminum
Housing material, surface protection Anodized
Material contacts 1-6. Switch position: Silver
Plunger material 1-6. Switch position: Stainless steel (1.4034)

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Mechanical data

Approach direction	longitudinal, parallel to attachment surface
Approach speed	1-6. Switch position: 60 m/min
Dimension	79 x 84 x 75 mm
Distance cam - reference edge	1-6. Switch position: 4.50...5.00 mm
Flange, feed-through	None
Installation	Vertical
Life expectancy mechanical	1-6. Switch position: 1 million Switching operations

Number of switching positions	6x Roller
Plunger spacing 1st switch position	12 mm
Plunger style	1-6th switch position: Roller 1-6th switch position: Roller
Switch actuation force	1-6. Switch position: 30 N
Switching element	1-6. Switch position: BSE 85

Range/Distance

Reproducibility	1-6. Switch position: ± 0.02 mm
Switch position spacing	12 mm

Wiring Diagrams

