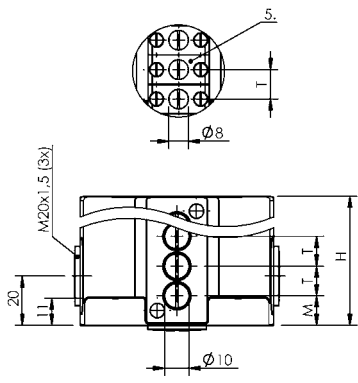


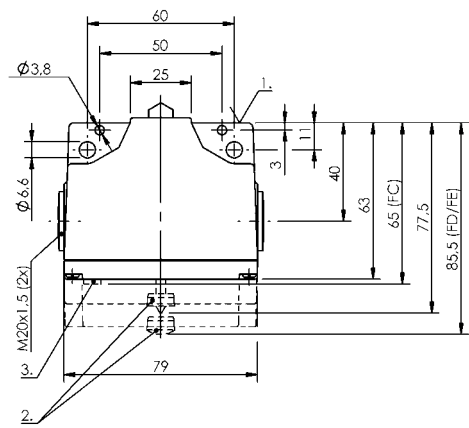
Mechanical Cam Switches
BNS 819-B03-D16-61-16-10-S80R
Order Code: BNS028U



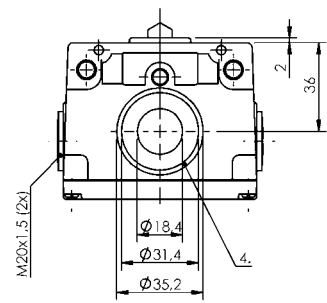
M=12	BNS...61-12..
M=16	BNS...61-16..
M=24	BNS...61-24..
M=30	BNS...61-30..



Gehäuse B/Housing B



Gehäuse B (Standard)/Housing B (Standard)



Gehäuse C/Housing C

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



Basic features

Approval/Conformity	CE UKCA WEEE
Operating principle	1-3. Switch position: Mechanical
Version	Snap contact

Display/Operation

Function indicator	1-3. Switch position: None
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Electrical connection

Connection	M12x1-Flange male, 5-pin
Connection type	1. Switch position: Connector

Electrical data

Connector, order code	BKS-S 80-G-PU-05 (straight) BKS-S 80-W-PU-05 (right-angle)
Continuous current	1-3. Switch position: 4 A
Rated operating voltage Ue	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

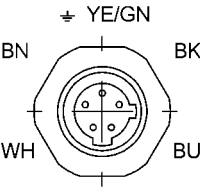
Mechanical data

Approach direction	longitudinal, parallel to attachment surface
Approach speed	1-3. Switch position: 40 m/min
Dimension	79 x 72 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 Chisel Mechanical
Plunger spacing 1st switch position	16 mm
Plunger style	1-3rd switch position: 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	16 mm

Connector Drawings



View of connector side

Wiring Diagrams

