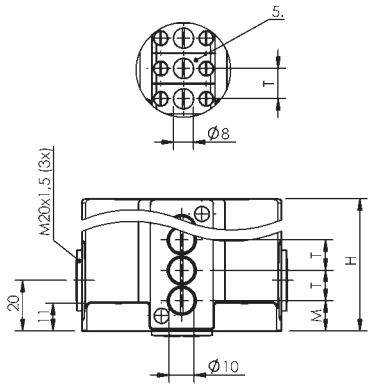
Mechanical position switch

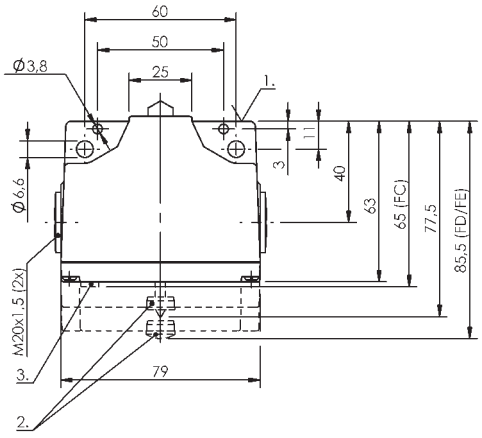
BNS 819-B02-D12-61-12-10
Order code: BNS026R

BALLUFF
sensors worldwide

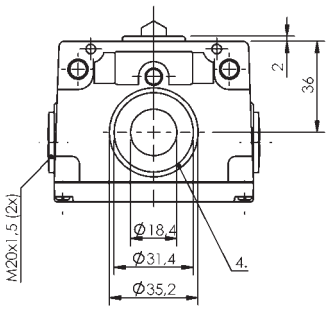
M=12	BNS..61-12..
M=16	BNS..61-16..
M=24	BNS..61-24..
M=30	BNS..61-30..



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-crystall. plunger

- **Mech. multiple position**
- **Snap contact**
- **Chisel**

A 064828

General attributes	
Additional features	None
Approvals / Conformity	CE CCC
DIN switch	No
Enclosure Type per IEC 60529	IP67
Function indicator	1st pos.: none 2nd pos.: none
Electrical attributes	
Continuous current	1st pos.: 6 A 2nd pos.: 6 A
Effective operating voltage Ue	1st pos.: 250 V AC 2nd pos.: 250 V AC
Switching function mech.	Galvanically isolated One NO and one NC Dual output function
Mechanical attributes	
Ambient temperature Ta max.	85 °C
Ambient temperature Ta min.	-5 °C
Approach direction	Lengthwise, par. to mtg. surf.
Approach speed	2nd pos.: 40 m/min 1st pos.: 40 m/min
Connection	2. screw terminal 1. screw terminal
Connector	None
Contact material	2nd pos.: silver, gold plated 1st pos.: silver, gold plated
Depth	63.0 mm
Dist. cam to reference edge	1st pos.: 5 - 0.5 mm 2nd pos.: 5 - 0.5 mm
Flange feedthrough	None
Height (H)	36.0 mm
Housing finish	Eloxal
Housing material	Aluminum
Mech. installation condition	Vertical
Mechanical life expectancy	1st pos.: 30 mil. operations 2nd pos.: 30 mil. operations
No. of switch positions	2 ST
Operating principle	2nd pos.: mechanical 1st pos.: mechanical
Plgr. dist. 1st switch pos.	12 mm
Plunger block	No
Plunger diameter	10.0 mm
Plunger material	2nd pos.: stainless steel 1st pos.: stainless steel
Plunger style	1st pos.: Chisel 2nd pos.: Chisel
Spacing (T)	12 mm
Style	61
Switching element	2nd pos.: BSE 30.0 1st pos.: BSE 30.0
Switching operation force	1st pos.: min. 20 N 2nd pos.: min. 20 N
Switching rate	2nd pos.: max. 300/min 1st pos.: max. 300/min
Type	Mech. multiple position
Version	Snap contact
Width	79 mm