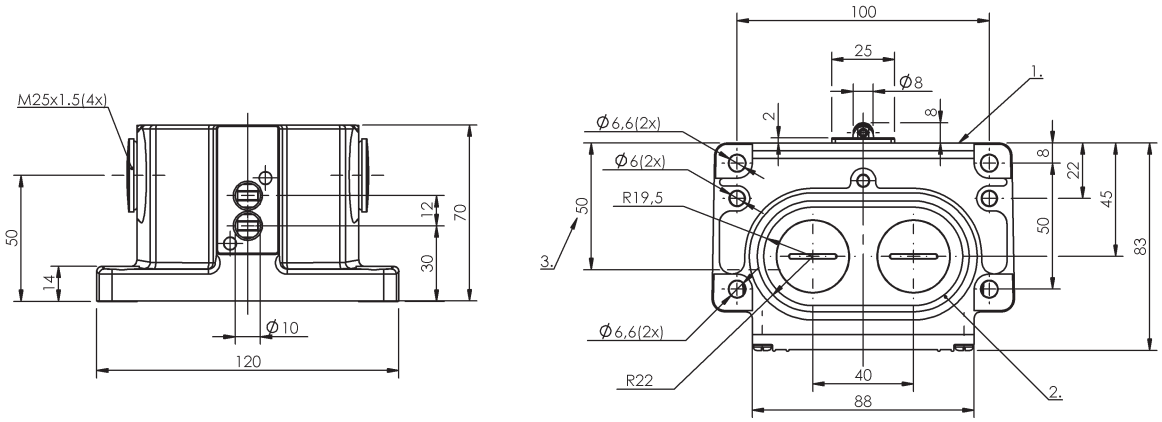
Mechanical position switch

BNS 819-D02-L12-100-10
BNS00C3

BALLUFF
sensors worldwide



1) Reference edge 2) Sealing ring 3) Cable pass-through

- **Mech. multiple position**
- **Snap contact**
- **Roller bearing**

A 064828

General attributes

Additional features	None
Approvals / Conformity	CE CCC
Basic standard	IEC 60947-5-1
DIN switch	DIN 43697
Enclosure Type per IEC 60529	IP67
Function indicator	2nd pos.: none 1st pos.: none

Electrical attributes

Continuous current	2nd pos.: 6 A 1st pos.: 6 A
Effective operating voltage Ue	2nd pos.: 250 V AC 1st pos.: 250 V AC
Switching function mech.	Double-interrupting 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	1st pos.: 120 m/min 2nd pos.: 120 m/min
Connection	2. screw terminal 1. screw terminal
Connector	None
Contact material	1st pos.: silver, gold plated 2nd pos.: silver, gold plated
Depth	83.0 mm
Dist. cam to reference edge	2nd pos.: 5 - 0.5 mm 1st pos.: 5 - 0.5 mm
Flange feedthrough	2 threaded exit M25
Height (H)	70.0 mm
Housing finish	Eloxal
Housing material	Aluminum
Mech. installation condition	Vertical
Mechanical life expectancy	2nd pos.: 30 mil. operations 1st pos.: 30 mil. operations
No. of switch positions	2 ST
Operating principle	1st pos.: mechanical 2nd pos.: mechanical
Plgr. dist. 1st switch pos.	30 mm
Plunger block	No
Plunger diameter	10.0 mm
Plunger material	2nd pos.: stainless steel 1st pos.: stainless steel
Plunger style	2nd pos.: Roller bearing 1st pos.: Roller bearing
Spacing (T)	12 mm
Style	100
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	120 mm

BSE 30.0

