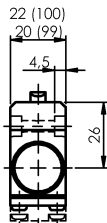
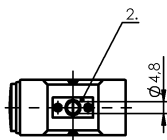
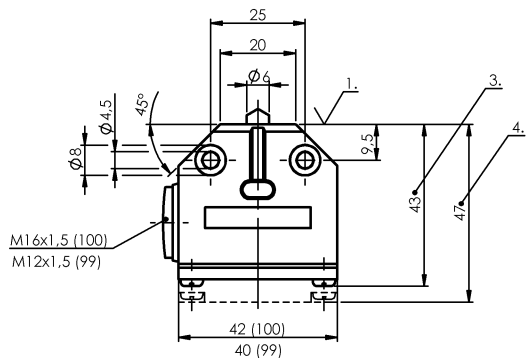


BNS 819-100-D-11
Ordering code: BNS005F

Mechanical multiple position switches

PlungerChisel
No. of switch positions1

BALLUFF
sensors worldwide



Characteristic data

Plunger block	No
Function indicator	1st pos.: none
Degree of protection as per IEC 60529	IP67

Electrical data

Plunger	BSE 70.1
Rated operating voltage Ue	1st pos.: 250 V AC
Continuous current	5 A

Mechanical data

Design	100 EGT
Depth	47 mm
Mechanical installation condition	Any
Shock rating	max. 100g / 2ms
Vibration rating	10-500 Hz, 3 mm pp, 20 g
Ambient temperature Ta max.	85 °C
Ambient temperature Ta min.	-5 °C
Housing material	Aluminum
Type	Snap contact
Contact material	1st pos.: silver
Repeatability max.	1st pos.: +/-0.02 mm
Plgr. dist. 1st switch pos.	11 mm

Dist. cam to reference edge

Type	
Operating principle	
Connection	
Plunger material	
Approach speed	
Spacing T	
Switching rate	
Flange feed-through	
Mechan. life expectancy min.	
Approach direction	
Housing finish	
Switching operation force	
Connector	
Plunger diameter	
Plunger style	
Switching element	

1st pos.: 2.8 - 0.5 mm
Mech. single position
1st pos.: mechanical
1. screw terminal
1st pos.: stainless steel
1st pos.: 20 m/min
None
1st pos.: max. 200/min
None
1st pos.: 10 mil. operations
In either axis to mtg. surface
Eloxal
1st pos.: min. 8 N
None
6 mm
1st pos.: Chisel
1st pos.: BSE 70.1

Basic data

DIN switch	No
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Remarks

Additional features 1	None
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Definitions see main catalog

subject to change