



1) Reference edge 2) Function indicator FD/FE/LL 3) Cable pass-through 4) Sealing ring 5) Anti-crystall. plunger

- Mech. multiple position
- Snap contact
- Chisel



General attributes

Additional features	None
Approvals / Conformity	CE
DIN switch	DIN 43697
Enclosure Type per IEC 60529	IP67
Function indicator	3rd pos.: none 2nd pos.: none 1st pos.: none

Electrical attributes

Continuous current	1st pos.: 6 A 2nd pos.: 6 A 3rd pos.: 6 A
Effective operating voltage Ue	3rd pos.: 250 V AC 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	2nd pos.: 40 m/min 3rd pos.: 40 m/min 1st pos.: 40 m/min
Connection	3. screw terminal 2. screw terminal 1. screw terminal
Connector	None
Contact material	3rd pos.: silver, gold plated 2nd pos.: silver, gold plated 1st pos.: silver, gold plated
Depth	83.0 mm

Dist. cam to reference edge

Flange feedthrough	3rd pos.: 5 - 0.5 mm 2nd pos.: 5 - 0.5 mm 1st pos.: 5 - 0.5 mm
Height (H)	2 threaded exit M25 80.0 mm
Housing finish	Eloxal
Housing material	Aluminum
Mech. installation condition	Vertical
Mechanical life expectancy	2nd pos.: 30 mil. operations 3rd pos.: 30 mil. operations 1st pos.: 30 mil. operations
No. of switch positions	3 ST
Operating principle	2nd pos.: mechanical 1st pos.: mechanical 3rd pos.: mechanical
Plgr. dist. 1st switch pos.	30 mm
Plunger block	No
Plunger diameter	10.0 mm
Plunger material	3rd pos.: stainless steel 2nd pos.: stainless steel 1st pos.: stainless steel
Plunger style	2nd pos.: Chisel 3rd pos.: Chisel 1st pos.: Chisel
Spacing (T)	12 mm
Style	100
Switching element	2nd pos.: BSE 30.0 1st pos.: BSE 30.0 3rd pos.: BSE 30.0
Switching operation force	1st pos.: min. 20 N 2nd pos.: min. 20 N 3rd pos.: min. 20 N
Switching rate	3rd pos.: max. 300/min 2nd pos.: max. 300/min 1st pos.: max. 300/min
Type	Mech. multiple position
Version	Snap contact
Width	120 mm

Mechanical position switch
BNS 819-D03-D12-100-10
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