



Creative
Interconnect
Solutions

DOMES SWITCH'AIR™



→ **Superior quality
and durability
with great
tactile feel**

NON-STICK

6-8.4-10-12.2 MM

DOMES SWITCH'AIR™

MAIN FEATURES

Four legged metal domes

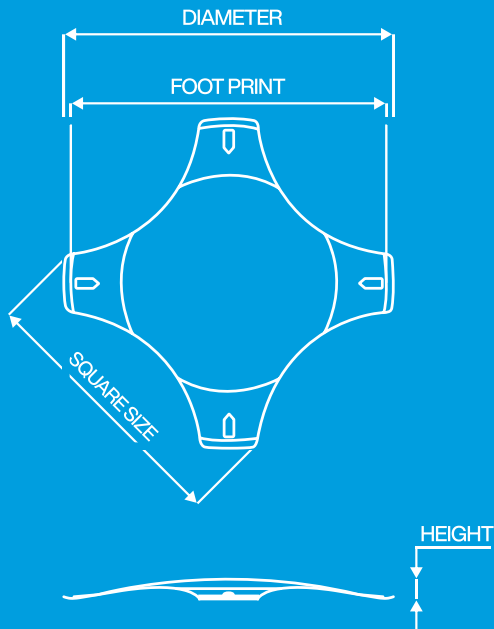
- Exclusive SWITCH'AIR™ Technology
- Lead time: 24 - 48H
- Packaged in bulk, tube or reel
- 2D available on the website
- Easy custom on request

QUALIFICATION TESTS

According to ASTM F2592-16

- Life expectancy: Up to 5 Million cycles (Depending on condition of use and application type)
- Overload test (Static load)
- Overstroke test
- Sweet spot test (Actuator shifted off center)
- O.S.O test (Same time: Overload, Sweet spot, Overstroke)
- Electrical measurement

Technical features



STAINLESS STEEL

TEMPERATURE

Storage: -88°C/+120°C
Operating: -40°C/+105°C

ELECTRICAL

Switching voltage: 0.1 to 100 VDC
Switching current: 5 switching capacity

CONTACT RESISTANCE

< 100 mOhm

SWITCH'AIR™ TECHNOLOGY

RoHs

PLATING

Part numbering

PACKAGING

N: in Bulk
TN: in Tube
RN: in Tape & Reel

DIMPLE

D: with Dimple

PLATING

21: Nickel plated
31: 1 Side Gold plated

N12.2 - 4L - (D) - XXX - YY

DIAMETER

Ø 6
Ø 8.4
Ø 10
Ø 12.2

TYPE OF DOME

4L: 4 Legs

TRIP FORCE

170g - 220g - 280g
340g - 400g - 420g

Product specifications

6MM 4L (± 0.2)	170	220
DIMPLE	Available	
REBOUND FORCE (± 0.3)	70	90
HEIGHT (± 0.08)	0.35 \pm 0.08	
TOTAL TRAVEL WITHOUT DIMPLE (mm)	0.28	
TOTAL TRAVEL WITH DIMPLE (mm)	0.265	
FOOT PRINT (± 0.08)	5.40	
SQUARE SIZE (± 8 mm)	8.40	
CLICK RATIO (%)	40 - 70	50 - 80

8.4MM 4L (± 0.2)	220	280	340	400
DIMPLE	Available			
REBOUND FORCE (± 0.3)	90		130	150
HEIGHT (± 10 mm)	0.45	150	0.55	
TOTAL TRAVEL WITHOUT DIMPLE (mm)	0.37	0.42	0.45	
TOTAL TRAVEL WITH DIMPLE (mm)	0.33	0.38	0.43	
FOOT PRINT (± 10 mm)	8.00			
SQUARE SIZE (± 10 mm)	7.00			
CLICK RATIO (%)	40 - 70	50 - 80		

10MM 4L (± 0.2)	220	280	340	400
DIMPLE	Available			
REBOUND FORCE (± 0.3)	90		100	
HEIGHT (± 10 mm)	0.45 - 0.55 \pm 10mm			
TOTAL TRAVEL WITHOUT DIMPLE (mm)	0.55		0.60	
TOTAL TRAVEL WITH DIMPLE (mm)	0.50		0.55	
FOOT PRINT (± 20 mm)	9.50			
SQUARE SIZE (± 20 mm)	8.40			
CLICK RATIO (%)	40 - 70	50 - 80		

12.2MM 4L (± 0.2)	220	280	340	420
DIMPLE	Available			
REBOUND FORCE (± 0.3)	85	90	100	120
HEIGHT (± 0.1)	0.65	0.75		
TOTAL TRAVEL WITHOUT DIMPLE (mm)	0.55	0.65		0.70
TOTAL TRAVEL WITH DIMPLE (mm)	0.48	0.58		0.63
FOOT PRINT (± 20 mm)	11.7			
SQUARE SIZE (± 10 mm)	9.90			
CLICK RATIO (%)	40 - 70	50 - 80		