

XEP3S2W2B529

Microswitch, Limit switches XC Standard,
miniature limit switch, low force cont., roller
lever, solder tags



Main

Range of Product	OsiSense XC
Series name	Special format
Product or Component Type	Microswitch
Device short name	XEP3
Detector design	Miniature, DIN 41635 A format
Head type	Plunger head
Lever material	Glass reinforced polyamide roller Stainless steel
Lever fixing position	B
Movement of operating head	Linear
Type of operator	Roller lever
Switch actuation	Horizontal
Type of approach	Lateral approach
Electrical connection	Solder tags
Contacts type and composition	1 C/O very low force
Contact operation	Snap action
Contacts material	AgNi

Complementary

Body material	Polyester
Maximum force for tripping	0.06 N lever fixing position in A 0.13 N lever fixing position in B 0.17 N lever fixing position in C
Minimum release force	0.01 N lever fixing position in A 0.03 N lever fixing position in B 0.03 N lever fixing position in C
Maximum permissible end of travel force	10 N lever fixing position in B 13 N lever fixing position in C 5 N lever fixing position in A
Tripping point	0.81 in (20.5 mm) lever fixing position in A 0.81 in (20.5 mm) lever fixing position in B 0.81 in (20.5 mm) lever fixing position in C
Maximum differential travel	0.02 in (0.53 mm) lever fixing position in C 0.03 in (0.7 mm) lever fixing position in B 0.06 in (1.4 mm) lever fixing position in A
Minimum over travel	0.06 in (1.65 mm) lever fixing position in C 0.09 in (2.2 mm) lever fixing position in B 0.17 in (4.4 mm) lever fixing position in A
Inter contact distance	0.02 in (0.4 mm)
Contact code designation	B300, AC-15 (Ue = 240 V, Ie = 1.5 A) IEC 60947-5-1 appendix A D300, AC-15 (Ue = 240 V, Ie = 0.3 A) IEC 60947-5-1 appendix A
[Ith] conventional free air thermal current	5 A 250 V 50/60 Hz
Mechanical durability	50000000 cycles
Width	0.39 in (10 mm)
Height	0.63 in (16 mm)
Depth	1.10 in (28 mm)
Net Weight	0.23 oz (6.6 g)
Terminals description ISO n°1	(1-2-4)OC

Environment

IP Degree of Protection	IP40
Ambient Air Temperature for Operation	-13...257 °F (-25...125 °C)
Marking	CE
Standards	CURus IEC 60947-5-1 UL 1054 EN 61058 EN 60947-5-1

Ordering and shipping details

Category	US1000T22449
Discount Schedule	000T
GTIN	3389110299991
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	0.39 in (1.0 cm)
Package 1 Width	1.06 in (2.7 cm)
Package 1 Length	1.85 in (4.7 cm)
Package 1 Weight	0.21 oz (6.0 g)
Unit Type of Package 2	BAG
Number of Units in Package 2	10
Package 2 Height	0.39 in (1.0 cm)
Package 2 Width	2.76 in (7.0 cm)
Package 2 Length	5.91 in (15.0 cm)
Package 2 Weight	2.22 oz (63.0 g)
Unit Type of Package 3	S01
Number of Units in Package 3	100
Package 3 Height	5.91 in (15.0 cm)
Package 3 Width	5.91 in (15.0 cm)
Package 3 Length	15.75 in (40.0 cm)
Package 3 Weight	29.98 oz (850.0 g)

Offer Sustainability

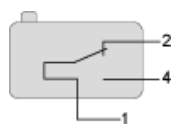
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
Circularity Profile	No need of specific recycling operations
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months
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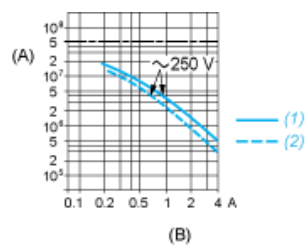
Wiring Diagram

Single-pole CO Snap Action



- 1 : Black
- 2 : Grey
- 4 : Blue

Operating Curves



- (A) Number of cycles
(B) Current
1 : Resistive circuit
2 : Inductive circuit