

Microswitch, Limit switches XC Standard,  
miniature limit switch, low force cont., flat lever,  
6.35 mm cable clip 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	Stainless steel
Lever fixing position	B
Movement of operating head	Linear
Type of operator	Flat lever
Switch actuation	Horizontal
Type of approach	Lateral approach
Electrical connection	6.35 mm cable clip 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	0.60 In (15.2 mm) lever fixing position in A 0.60 In (15.2 mm) lever fixing position in B 0.60 in (15.2 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	0.22 oz (6.3 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	UL 1054 CURus IEC 60947-5-1 EN 60947-5-1 EN 61058

## Ordering and shipping details

Category	US1000T22449
Discount Schedule	000T
GTIN	3389110300024
Returnability	No
Country of origin	MA

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	0.39 in (1.000 cm)
Package 1 Width	1.18 in (3.000 cm)
Package 1 Length	2.17 in (5.500 cm)
Package 1 Weight	0.25 oz (7.000 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	1.18 in (3.000 cm)
Package 2 Width	2.76 in (7.000 cm)
Package 2 Length	5.12 in (13.000 cm)
Package 2 Weight	2.57 oz (73.000 g)
Unit Type of Package 3	S01
Number of Units in Package 3	100
Package 3 Height	5.91 in (15.000 cm)
Package 3 Width	5.91 in (15.000 cm)
Package 3 Length	15.75 in (40.000 cm)
Package 3 Weight	32.80 oz (930.000 g)

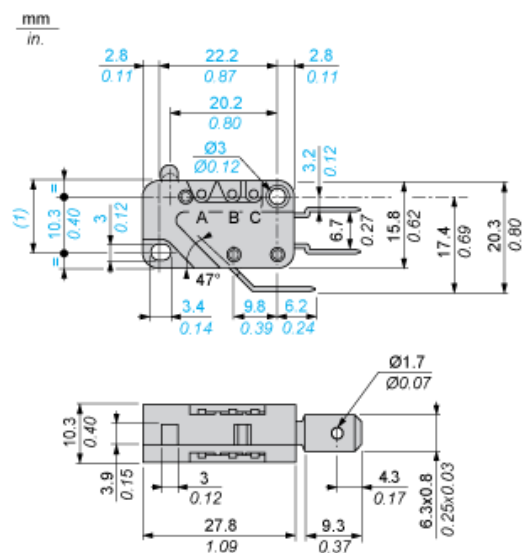
## Offer Sustainability

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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
Toxic heavy metal free	Yes
Circularity Profile	No need of specific recycling operations
For all Reach Rohs enquiries contact us at	<a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>

## Contractual warranty

Warranty	18 months
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## Dimensions



(1) 13.2 max.

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## Wiring Diagram

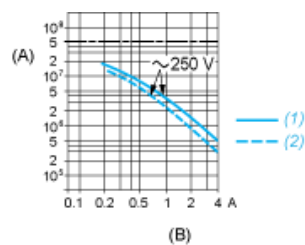
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### Single-pole CO Snap Action



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

## Operating Curves



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