

Microswitch, Limit switches XC Standard,  
miniature limit switch, 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 standard
Contact operation	Snap action
Contacts material	AgNi

## Complementary

Body material	Polyester
Maximum force for tripping	0.2 N lever fixing position in A 0.4 N lever fixing position in B 0.53 N lever fixing position in C
Minimum release force	0.05 N lever fixing position in A 0.1 N lever fixing position in B 0.13 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	20.5 Mm lever fixing position in A 20.5 Mm lever fixing position in B 20.5 mm lever fixing position in C
Maximum differential travel	0.53 Mm lever fixing position in C 0.7 Mm lever fixing position in B 1.4 mm lever fixing position in A
Minimum over travel	1.8 Mm lever fixing position in C 2.4 Mm lever fixing position in B 4.8 mm lever fixing position in A
Inter contact distance	0.4 mm
Contact code designation	B300, AC-15 (Ue = 240 V, Ie = 1.5 A) conforming to EN/IEC 60947-5-1 appendix A R300, DC-13 (Ue = 250 V, Ie = 0.1 A) conforming to EN/IEC 60947-5-1 appendix A
[Ith] conventional free air thermal current	15 A at 250 V 50/60 Hz
Mechanical durability	20000000 cycles
Width	10 mm
Height	16 mm
Depth	28 mm
Net weight	6.6 g
Terminals description ISO n°1	(1-2-4)OC

## Environment

IP degree of protection	IP40
Ambient air temperature for operation	-25...125 °C
Marking	CE
Standards	CURus IEC 60947-5-1 EN 61058 UL 1054 EN 60947-5-1

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.000 cm
Package 1 Width	7.000 cm
Package 1 Length	14.000 cm
Package 1 Weight	5.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	2.000 cm
Package 2 Width	7.000 cm
Package 2 Length	14.000 cm
Package 2 Weight	58.000 g
Unit Type of Package 3	S01
Number of Units in Package 3	200
Package 3 Height	15 cm
Package 3 Width	15 cm
Package 3 Length	40 cm
Package 3 Weight	1.378 kg

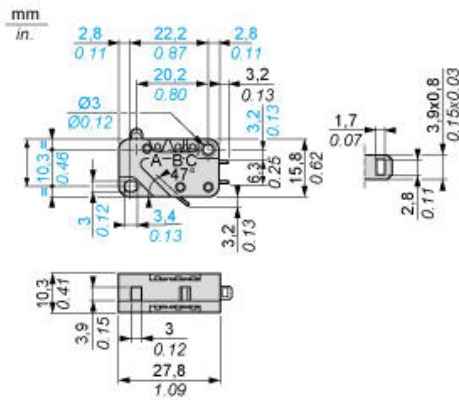
## Offer Sustainability

Sustainable offer status	Green Premium product
Toxic heavy metal free	Yes
Circularity Profile	No need of specific recycling operations
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>
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

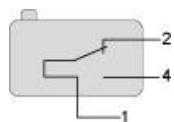


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## Wiring Diagram

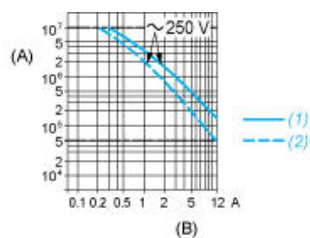
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### Single-pole CO Snap Action



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

## Operating Curves



(A) Number of cycles

(B) Current

1 : Resistive circuit

2 : Inductive circuit