

Product data sheet

Characteristics

XEP3S1W6B529

Microswitch, Limit switches XC Standard, miniature limit switch, roller lever, 4.8 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	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	4.8 mm cable clip 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	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	0.07 in (1.8 mm) lever fixing position in C 0.09 in (2.4 mm) lever fixing position in B 0.19 in (4.8 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)EN/IEC 60947-5-1 appendix A R300, DC-13 (Ue = 250 V, Ie = 0.1 A)EN/IEC 60947-5-1 appendix A
[Ith] conventional free air thermal current	15 A 250 V 50/60 Hz
Mechanical durability	20000000 cycles
Width	0.39 in (10 mm)
Height	0.63 in (16 mm)
Depth	1.10 in (28 mm)

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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	UL 1054 EN 60947-5-1 CURus IEC 60947-5-1 EN 61058

Ordering and shipping details

Category	22449-LIMIT SWITCHES,ACCESSORIES
Discount Schedule	T
GTIN	3389110299953
Returnability	No
Country of origin	MA

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	0.59 in (1.500 cm)
Package 1 Width	2.76 in (7.000 cm)
Package 1 Length	5.51 in (14.000 cm)
Package 1 Weight	2.12 oz (60.000 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	0.59 in (1.500 cm)
Package 2 Width	2.76 in (7.000 cm)
Package 2 Length	5.51 in (14.000 cm)
Package 2 Weight	2.15 oz (61.000 g)
Unit Type of Package 3	S01
Number of Units in Package 3	200
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	3.06 lb(US) (1.389 kg)

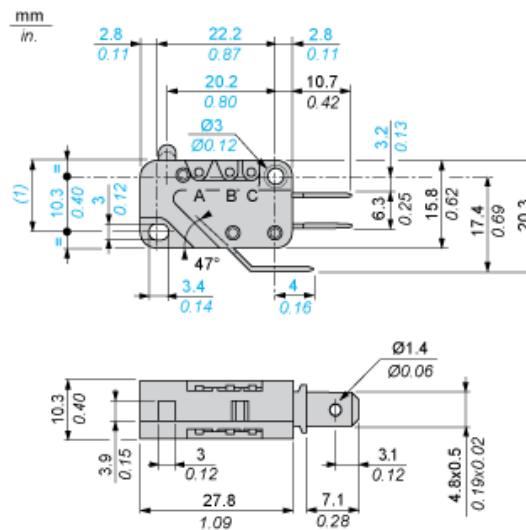
Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisobutyl 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
REACH Regulation	 REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile

Contractual warranty

Warranty	18 months
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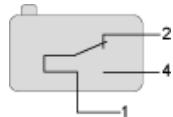
Dimensions



(1) 13.2 max.

Wiring Diagram

Single-pole CO Snap Action



1 : Black

2 : Grey

4 : Blue

Operating Curves

