

Product data sheet

Characteristics

XEP4E1FD

Microswitch, Limit switches XC Standard, miniature limit switch, flat plunger, cable length 0.5 m



Main

Range of Product	OsiSense XC
Series name	Special format
Product or Component Type	Microswitch
Device short name	XEP4
Detector design	Subminiature, DIN 41635 B format, sealed
Head type	Plunger head
Movement of operating head	Linear
Type of operator	Plunger
Switch actuation	On end
Type of approach	Vertical approach
Electrical connection	Pre-cabled
Cable length	1.64 ft (0.5 m)
Cable composition	3 x 0.5 mm ²
Contacts type and composition	1 C/O standard
Contact operation	Snap action
Contacts material	AgCdO

Complementary

Body material	Polyester
Maximum force for tripping	2.5 N lever fixing position in A 2.5 N lever fixing position in B
Minimum release force	0.8 N lever fixing position in A 0.8 N lever fixing position in B
Maximum permissible end of travel force	10 N lever fixing position in A 10 N lever fixing position in B
Tripping point	0.33 in (8.4 mm) lever fixing position in A 0.33 in (8.4 mm) lever fixing position in B
Maximum differential travel	0.01 in (0.13 mm) lever fixing position in A 0.01 in (0.13 mm) lever fixing position in B
Minimum over travel	0.02 in (0.6 mm) lever fixing position in A 0.02 in (0.6 mm) lever fixing position in B
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	7.5 A 250 V 50/60 Hz
Mechanical durability	2000000 cycles
Width	0.28 in (7 mm)
Height	0.55 in (14 mm)
Depth	0.79 in (20 mm)
Net Weight	0.50 oz (14.1 g)
Terminals description ISO n°1	(1-2-4)OC

Environment

IP Degree of Protection	IP67
Ambient air temperature for operation	-40...221 °F (-40...105 °C)
Marking	CE
Standards	EN 61058 CURus IEC 60947-5-1 UL 1054 EN 60947-5-1

Ordering and shipping details

Category	US1000T22449
Discount Schedule	000T
GTIN	3389110300222
Returnability	Yes
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	3.15 in (8.000 cm)
Package 1 Length	3.94 in (10.000 cm)
Package 1 Weight	0.56 oz (16.000 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	5
Package 2 Height	1.18 in (3.000 cm)
Package 2 Width	3.15 in (8.000 cm)
Package 2 Length	3.94 in (10.000 cm)
Package 2 Weight	2.86 oz (81.000 g)
Unit Type of Package 3	S01
Number of Units in Package 3	100
Package 3 Height	5.91 in (15 cm)
Package 3 Width	5.91 in (15 cm)
Package 3 Length	15.75 in (40 cm)
Package 3 Weight	4.07 lb(US) (1.845 kg)

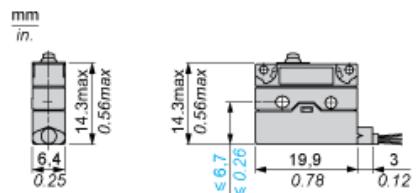
Offer Sustainability

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
Toxic heavy metal free	Yes
Circularity Profile	No need of specific recycling operations
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

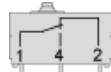
Warranty	18 months
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Dimensions



Wiring Diagram

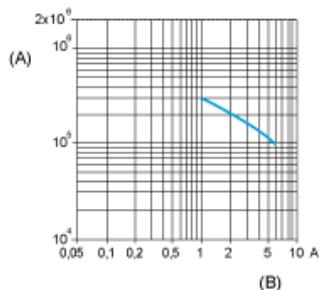
Single-pole CO Snap Action



1 : Black
2 : Grey
4 : Blue

Operating Curves

250 V AC : Resistive circuit



(A) Number of cycles
(B) Current