

Product data sheet

XCE181C

Limit switch XCE, 1CO, spring rod with plastic end

Main

Range of product	OsiSense XC
Series name	Basic
Product or component type	Limit switch
Device short name	XCE
Product specific application	Medium duty
ETIM classification	ETIM 9 - EC000030 - End switch
Body type	Fixed
Head type	Multi-directional head
Material	Plastic and metal
Fixing mode	By the body
Movement of operating head	Multi-directional
Type of operator	Cat's whisker plastic and metal
Switch actuation	By any moving part
Type of approach	Multi-directional approach
Maximum force for tripping	1.5 N
Number of poles	2
Product certifications	CCC CE
Marking	CCC CE
Standards	GB 14048.5 IEC 60947-5-1
Indivisible sale quantity	1

Complementary

Mechanical durability	10000000 cycles
Minimum actuation speed	5 mm/s
Maximum actuation speed	1 m/s
Cable entry	1 flexible rubber cable gland, cable outer diameter: 6-9 mm
Contact code designation	A300, AC (Ue = 240 V), Ie = 3 A, Ithe = 10 A conforming to IEC 60947-5-1, R300, DC (Ue = 220 V), Ie = 0.3 A conforming to IEC 60947-5-1

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
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Electrical durability	800000 cycles, AC, 3 A, 220 V
Electrical connection	Screw-clamp terminals, clamping capacity: 1 x 1.5 mm²
Positive opening	Without
Contacts insulation form	Za
Terminals description ISO n°1	(3-4-1-2)OF
Contact operation	Snap action
Operating rate	120 c.p.m
[Uimp] rated impulse withstand voltage	4 kV conforming to IEC 60664
Resistance across terminals	25 MOhm
Electrical shock protection class	Class I conforming to IEC 60947-5-1
Minimum release force	0.04 N
Width	28 mm
Depth	25 mm
Product weight	0.108 kg

Environment

IP degree of protection	IP65 conforming to IEC 60529
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-40…70 °C
Shock resistance	30 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	+/- 3 mm (f= 10-55 Hz) conforming to IEC 60068-2-6

Offer Sustainability

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

Warranty

Warranty	18 months

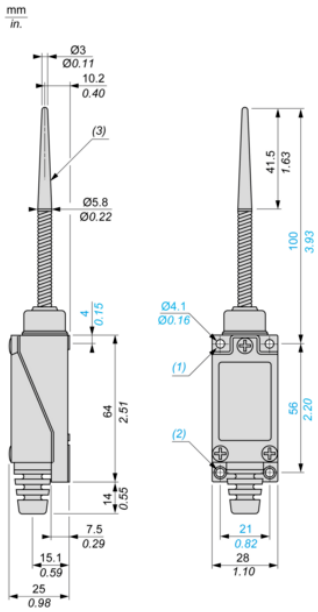
Packing Units

Country of origin	CN (China)
Unit type of package 1	PCE
Number of units in package 1	1
New Package 1 GTIN-13	3666916058244
Package 1 height	3 cm
Package 1 width	5 cm
Package 1 length	17.5 cm
Package 1 weight	133 g

Unit type of package 2	S02
Number of units in package 2	40
New Package 2 GTIN 14	13666916058241
Package 2 height	15 cm
Package 2 width	30 cm
Package 2 length	40 cm
Package 2 weight	5.569 kg
Unit type of package 3	P06
Number of units in package 3	640
New Package 3 GTIN 14	23666916058248
Package 3 height	75 cm
Package 3 width	80 cm
Package 3 length	60 cm
Package 3 weight	97.104 kg

Technical Drawings

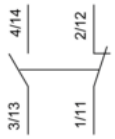
Dimensions



(1) :
(2) :
(3) :

Connection and Schema

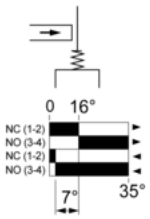
Wiring Diagram



1 NO + 1 NC

Technical Description

Type of Operator and Functional Diagram, Travel Distance



(1)
(2)
(3)
(4)

(1) :
(2) :
(3) :
(4) :