

Product data sheet

Specifications



Limit switch, Limit switches XC Standard, XCE, spring rod lever, 1C/ O

XCE181

● Discontinued on: 31 December 2020

● End-of-service on: 11 May 2021

● Discontinued

Main

Range of product	OsiSense XC
Series name	Asie
Product or component type	Limit switch
Product specific application	Medium duty
Device short name	XCE
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
Electrical connection	Screw-clamp terminals, clamping capacity: 1 x 1.5 mm ²
Cable entry	1 flexible rubber cable gland, cable outer diameter: 6...9 mm
Number of poles	1
Contact operation	Snap action
Positive opening	Without
Maximum force for tripping	0.9 N

Complementary

Contacts insulation form	Za
Minimum release force	0.04 N
Maximum actuation speed	1 m/s
Maximum operating rate	120 cyc/mn
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
Maximum resistance across terminals	25 MΩ

[Ui_{imp}] rated impulse withstand voltage	4 kV conforming to EN/IEC 60664
Electrical durability	800000 cycles, AC, 3 A, 220 V
Mechanical durability	15000000 cycles
Width	28 mm
Height	64 mm
Depth	25 mm
Net weight	0.155 kg
Terminals description ISO n°1	(3-4-1-2)OF

Environment

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
IP degree of protection	IP65 conforming to IEC 60529
Electrical shock protection class	Class I conforming to EN/IEC 60947-5-1
Ambient air temperature for operation	-25...70 °C
Marking	CE
Standards	IEC 60947-5-1

Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
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

Contractual warranty

Warranty	18 months
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Recommended replacement(s)

XCE181 is replaced by:

1x



Spring rod with thermoplastic end

XCE181C