

Product availability: Non-Stock - Not normally stocked in distribution facility



Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCTR
Sensor design	Compact
Reset	With
Body type	Fixed
Head type	Plunger head
Material	Plastic
Body material	Plastic
Head material	Zamak
Fixing mode	By the body
Movement of operating head	Linear
Type of operator	Spring return plunger metal
Type of approach	Vertical approach 1 direction
Cable entry	2 entries tapped for M16 x 1.5 cable gland, cable outer diameter: 0.16...0.31 in (4...8 mm)
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contact operation	Snap action

Complementary

Switch actuation	On end
Electrical connection	Screw-clamp terminals, clamping capacity: 1 x 0.34...2 x 1.5 mm ²
Contacts insulation form	Zb
Positive opening	With
Positive opening minimum force	45 N
Minimum force for tripping	15 N
Maximum actuation speed	1.64 ft/s (0.5 m/s)
Contact code designation	A300, AC-15 (Ue = 240 V, Ie = 3 A) , Ithe = 10 A conforming to EN/IEC 60947-5-1 appendix A Q300, DC-13 (Ue = 250 V, Ie = 0.27 A) conforming to EN/IEC 60947-5-1 appendix A
[Ui] rated insulation voltage	300 V conforming to CSA C22.2 No 14 500 V degree of pollution 3 conforming to EN 60947-1 500 V degree of pollution 3 conforming to IEC 60947-1 300 V conforming to UL 508
Resistance across terminals	<= 25 MOhm conforming to IEC 60255-7 category 3
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60664 6 kV conforming to IEC 60947-1
Short-circuit protection	10 A by gG cartridge fuse
Electrical durability	5000000 cycles DC-13 120 V 4 W <= 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 cycles DC-13 24 V 10 W <= 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 cycles DC-13 48 V 7 W <= 60 cyc/mn 0.5 IEC 60947-5-1 appendix C
Width	2.28 in (58 mm)
Height	2.01 in (51 mm)

Depth	1.18 in (30 mm)
Product weight	0.26 lb(US) (0.12 kg)
Terminals description ISO n°1	(13-14)NO (21-22)NC

Environment

Shock resistance	50 gn (duration = 11 ms) conforming to IEC 60068-2-27
Vibration resistance	25 gn (f = 10...500 Hz) conforming to IEC 60068-2-6
IP degree of protection	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529
IK degree of protection	IK04 conforming to EN 50102
Overvoltage category	Class II conforming to IEC 61140 Class II conforming to NF C 20-030
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Ambient air temperature for storage	-40...158 °F (-40...70 °C)
Protective treatment	TC
Product certifications	CSA UL
Standards	UL 508 IEC 60947-5-1 IEC 60204-1 EN 60947-5-1 EN 60204-1 CSA C22.2 No 14

Ordering and shipping details

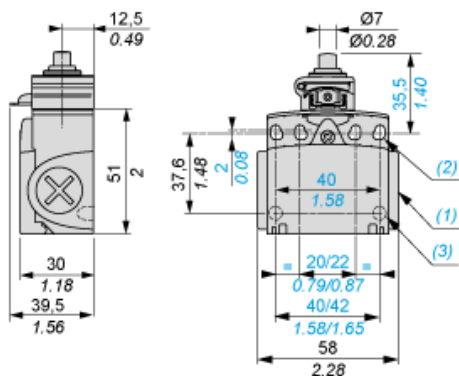
Category	22418 - LIMIT SWITCH,IEC,XCKP&XCKT
Discount Schedule	T
GTIN	003389110213942
Nbr. of units in pkg.	1
Package weight(Lbs)	0.7000000000000007
Returnability	N
Country of origin	ID

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1103 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - Substance 1	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
- - - - - Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
- - - - - More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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$$\frac{\text{mm}}{\text{in.}}$$


- (1) Tapped entry for M16 x 1.5
- (2) 4 elongated holes \varnothing 4.3 x 6.3 mm on 22/42 mm centres, 4 holes \varnothing 4.3 on 20/40 mm centres.
- (3) 2 x \varnothing 3 holes for support studs, depth 4 mm

Mounting with Cable Entry

Position of Cable Gland



- (1) Recommended
(2) To be avoided

Wiring Diagram

2-pole NC + NO Snap Action

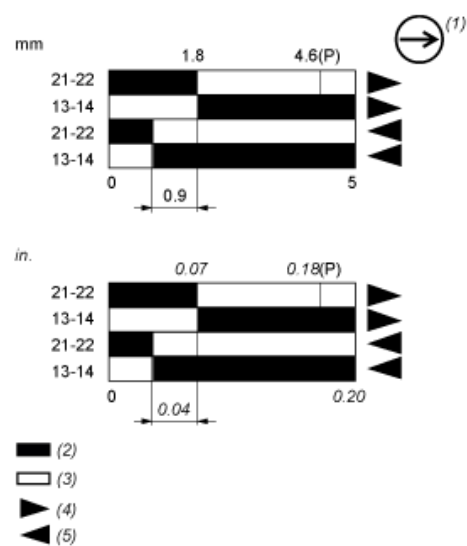


Characteristics of Actuation

Switch Actuation on End



Functionnal Diagram



- (P) Positive opening point
 (1) NC contact with positive opening operation
 (2) Closed
 (3) Open
 (4) Tripping
 (5) Resetting

Mouser Electronics

Authorized Distributor

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