

Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCLJ
Sensor design	Form C conforming to CENELEC EN 50041
Body type	Fixed
Head type	Plunger head

Complementary

Material	Metal
Body material	Zamak
Head material	Zamak
Fixing mode	By the body
Movement of operating head	Linear
Type of operator	Metal spring return roller plunger
Switch actuation	By 30° cam
Type of approach	1 or 2 programmable direction lateral approach
Electrical connection	1 x 0.5...2 x 2.5 mm² screw-clamp terminals
Cable entry	1 entry tapped for Pg 13.5 cable gland 9...12 mm
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contacts insulation form	Zb
Contact operation	Snap action
Number of steps	1
Positive opening	With
Positive opening minimum force	28 N
Minimum force for tripping	14 N
Maximum actuation speed	3.28 ft/s (1 m/s)
[Ie] rated operational current	3 A 240 V AC-15 A300 conforming to EN/IEC 60947-5-1 appendix A 0.27 A 250 V DC-13 Q300 conforming to EN/IEC 60947-5-1 appendix A
[Ithe] conventional enclosed thermal current	10 A
[Ui] rated insulation voltage	500 V, pollution degree 3 conforming to IEC 60947-1
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 gG cartridge fuse
Electrical durability	5000000 cycles DC-13 inductive, 120 V at 4 W, <= 60 cyc/mn operating rate at 0.5 load factor conforming to IEC 60947-5-1 appendix C 5000000 cycles DC-13 inductive, 24 V at 10 W, <= 60 cyc/mn operating rate at 0.5 load factor conforming to IEC 60947-5-1 appendix C 5000000 cycles DC-13 inductive, 48 V at 7 W, <= 60 cyc/mn operating rate at 0.5 load factor conforming to IEC 60947-5-1 appendix C
Mechanical durability	25000000 cycles
Width	1.57 in (40 mm)
Height	3.03 in (77 mm)
Depth	1.73 in (44 mm)
Product weight	1 lb(US) (0.455 kg)
Terminals description ISO n°1	(13-14)NO (21-22)NC

The information provided in this documentation contains general descriptions and/or technical characteristics 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

shock resistance	50 gn 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
IK degree of protection	IK07 conforming to EN 50102
overvoltage category	Class I conforming to IEC 61140
ambient air temperature for operation	-13...158 °F (-25...70 °C)
ambient air temperature for storage	-40...158 °F (-40...70 °C)
standards	CENELEC EN 50041 EN 60204-1 EN/IEC 60947-5-1

Offer Sustainability

Not Green Premium product	Not Green Premium product
Will not be Compliant	Will not be Compliant
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Need no specific recycling operations	Need no specific recycling operations
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	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.	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	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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