



Main

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|---------------------------|-----------------|
| Range of product | OsiSense XC |
| Series name | Standard format |
| Product or component type | Limit switch |
| Device short name | XCLJ |
| Body type | Fixed |
| Head type | Plunger head |

Complementary

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| Material | Metal |
| Body material | Zamak |
| Head material | Zamak |
| Fixing mode | By the body |
| Movement of operating head | Linear |
| Type of operator | Spring return roller plunger metal |
| Switch actuation | By 30° cam |
| Type of approach | Vertical approach, 1 direction |
| Electrical connection | Screw-clamp terminals, clamping capacity: 1 x 0.5...2 x 2.5 mm² |
| Cable entry | 1 entry tapped for M20 x 1.5 cable gland, cable outer diameter: 7...13 mm |
| Number of poles | 2 |
| Contacts type and composition | 1 NC + 1 NO |
| Contacts insulation form | Zb |
| Contact operation | Slow-break, break before make |
| Number of steps | 1 |
| Positive opening | With |
| Positive opening minimum force | 28 N |
| Minimum force for tripping | 14 N |
| Maximum actuation speed | 0.6 M/S |
| [Ie] rated operational current | 3 A at 240 V, AC-15, A300 conforming to EN/IEC 60947-5-1 appendix A 0.27 A at 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 |
| Maximum resistance across terminals | 25 MOhm conforming to IEC 60255-7 category 3 |
| [Uimp] rated impulse withstand voltage | IEC 60664 6 kV IEC 60947-1 6 kV |
| Short-circuit protection | 10 A cartridge fuse, type gG |

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.

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| Electrical durability | 5000000 Cycles, DC-13, inductive load type, 120 V, 4 W, operating rate <60 c/c/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 Cycles, DC-13, inductive load type, 24 V, 10 W, operating rate <60 c/c/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 Cycles, DC-13, inductive load type, 48 V, 7 W, operating rate <60 c/c/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C |
| Mechanical durability | 25000000 Cycles |
| Width | 40 Mm |
| Height | 77 Mm |
| Depth | 44 Mm |
| Net weight | 0.455 Kg |
| Terminals description ISO n°1 | (21-22)NC (13-14)NO |



Environment

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|---------------------------------------|--|
| Shock resistance | 50 gn for 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 | -25...70 °C |
| Ambient air temperature for storage | -40...70 °C |
| Standards | EN/IEC 60947-5-1 CENELEC EN 50041 EN 60204-1 |

Packing Units

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|------------------------------|--------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 490 G |
| Package 1 Height | 4.3 Cm |
| Package 1 width | 7 Cm |
| Package 1 Length | 13 Cm |

Offer Sustainability

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| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Not applicable, out of EU RoHS legal scope |
| Environmental Disclosure |  Product Environmental Profile |

Contractual warranty

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| Warranty | 18 months |
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Product Life Status : **Commercialised**