

Product data sheet

Specifications



Limit switch, Limit switches XC Standard, XCKT, steel roller plunger, 2NC, slow

XCKT2710N12S23

Main

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|-------------------------------|--|
| Range of product | Telemecanique Limit switches XC Standard |
| Series name | Standard format |
| Product or component type | Limit switch |
| Device short name | XCKT |
| Sensor design | Compact |
| 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 roller plunger metal |
| Type of approach | Lateral approach, 2 directions |
| Number of poles | 2 |
| Contacts type and composition | 2 NC |
| Contact operation | Slow-break, simultaneous |

Complementary

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|--------------------------------|--|
| Switch actuation | By 30° cam |
| Electrical connection | Screw-clamp terminals 1 x 0.5...2 x 2.5 mm ² |
| Cable entry | 2 entries tapped for M16 x 1.5 cable gland 0.16...0.31 in (4...8 mm) |
| Contacts insulation form | Zb |
| Positive opening | With |
| Positive opening minimum force | 36 N |
| Minimum force for tripping | 12 N |
| Maximum actuation speed | 0.33 ft/s (0.1 m/s) |
| Repeat accuracy | 0.1 mm on the tripping points with 1 million operating cycles |
| Contact code designation | A300, AC-15 (Ue = 240 V), Ie = 3 A 10 A EN/IEC 60947-5-1 appendix A |

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|---|---|
| [Ui] rated insulation voltage | 300 VUL 508 500 V 3)IEC 60947-1 300 VCSA C22.2 No 14 |
| Maximum resistance across terminals | 25 MOhm IEC 60255-7 category 3 |
| [Uimp] rated impulse withstand voltage | 6 kV IEC 60664 6 kV IEC 60947-1 |
| Short-circuit protection | 10 A cartridge fuse gG |
| Electrical durability | 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 |
| Mechanical durability | 10000000 cycles |
| Width | 1.22 in (31 mm) |
| Height | 2.56 in (65 mm) |
| Depth | 1.18 in (30 mm) |
| Net weight | 0.21 lb(US) (0.095 kg) |
| Terminals description ISO n°1 | (13-14)NO (21-22)NC |

Environment

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|--|---|
| Shock resistance | 50 gn 11 ms IEC 60068-2-27 |
| Vibration resistance | 25 gn 10...500 Hz)IEC 60068-2-6 |
| IP degree of protection | IP66 IEC 60529 IP67 IEC 60529 |
| IK degree of protection | IK04 EN 50102 |
| Electrical shock protection class | Class II IEC 61140 Class II 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 | UL CCC CSA |
| Standards | EN/IEC 60947-5-1 CSA C22.2 No 14 UL 508 EN/IEC 60204-1 |

Packing Units

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|-------------------------------------|------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 1.30 in (3.3 cm) |
| Package 1 Width | 2.52 in (6.4 cm) |
| Package 1 Length | 3.86 in (9.8 cm) |
| Package 1 Weight | 3.10 oz (88.0 g) |

Offer Sustainability

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|---------------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |

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|-----------------------------------|---|
| Mercury free | Yes |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |

Recommended replacement(s)