

Product data sheet

Characteristics

XCKP2102D44

Limit switch, Limit switches XC Standard,
l.switch XCKP steel roller plunger 1NC+1 NO
snap Deutsch connector



Main

| | |
|---------------------------|---|
| Range of product | Telemecanique Limit switches XC Standard |
| Series name | Standard format |
| Product or component type | Limit switch |
| Device short name | XCKP |
| Sensor design | Compact form C conforming to CENELEC EN 50047 |
| Body type | Fixed |
| Head type | Plunger head |

Complementary

| | |
|---|---|
| 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 |
| Switch actuation | By 30° cam |
| Type of approach | Lateral approach, 2 directions |
| Electrical connection | DEUTSCH connector male, 4 pins |
| Number of poles | 2 |
| Contacts type and composition | 1 NC + 1 NO |
| Contacts insulation form | Zb |
| Contact operation | Snap action |
| Positive opening | With |
| Positive opening minimum force | 36 N |
| Minimum force for tripping | 12 N |
| Maximum actuation speed | 0.5 m/s |
| Repeat accuracy | 0.1 mm on the tripping points with 1 million operating cycles |
| [Ie] rated operational current | 3 A at 50 V, AC-15 conforming to IEC 60947-5-1 appendix A 0.27 A at 50 V, DC-13 conforming to IEC 60947-5-1 appendix A |
| [Ith] conventional enclosed thermal current | 5 A |
| [Ui] rated insulation voltage | 50 V conforming to UL 508 50 V conforming to CSA C22.2 No 14 50 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 | 1.5 KV conforming to IEC 60664 1.5 KV conforming to IEC 60947-1 |
| Short-circuit protection | 6 A cartridge fuse, type gG |
| Electrical durability | 5000000 Cycles, DC-13, 24 V, 10 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles, DC-13, 48 V, 7 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C |
| Mechanical durability | 15000000 cycles |
| Width | 31 mm |
| Height | 65 mm |

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| Depth | 30 mm |
| Net weight | 0.095 kg |
| Terminals description ISO n°1 | (13-14)NO (21-22)NC |

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 IP67 conforming to IEC 60529 |
| IK degree of protection | IK04 conforming to IEC 62262 |
| Electrical shock protection class | Class II conforming to IEC 61140 Class II conforming to NF C 20-030 |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -40...70 °C |
| Protective treatment | TC |
| Product certifications | cURus[RETURN]CCC |
| Standards | UL 508 IEC 60204-1 IEC 60947-5-1 CSA C22.2 No 14 |

Packing Units

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|------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 3.500 cm |
| Package 1 Width | 4.500 cm |
| Package 1 Length | 11.000 cm |
| Package 1 Weight | 87.000 g |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 66 |
| Package 2 Height | 15.000 cm |
| Package 2 Width | 30.000 cm |
| Package 2 Length | 40.000 cm |
| Package 2 Weight | 6.236 kg |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| 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 |
| For all Reach RoHS enquiries contact us at | sustainability@tesensors.com |