# Product data sheet
## Characteristics

# XCKP2109M12
## limit switch XCKP - stay put without operating lever - 1NC+1NO - snap - M12



### 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 |
| Body type | Fixed |
| Head type | Rotary head |
| Material | Plastic |
| Body material | Plastic |
| Head material | Zamak |
| Fixing mode | By the body |
| Movement of operating head | Rotary |
| Type of operator | Stay put without operating lever |
| Type of approach | Lateral approach, 2 directions |
| Number of poles | 2 |
| Contacts type and composition | 1 NC + 1 NO |
| Contact operation | Snap action |

### Complementary

| | |
|---|---|
| Switch actuation | By specific cam |
| Electrical connection | Male connector M12, 4 pins |
| Contacts insulation form | Zb |
| Positive opening | Without |
| Positive opening minimum torque | 0.25 N.m |
| Minimum torque for tripping | 0.1 N.m |
| Maximum actuation speed | 1.5 m/s |
| [Ie] rated operational current | 3 A at 240 V, AC-15 conforming to EN/IEC 60947-5-1 appendix A<br>0.27 A at 250 V, DC-13 conforming to EN/IEC 60947-5-1 appendix A |
| [Ithe] conventional enclosed thermal current | 3 A |
| [Ui] rated insulation voltage | 300 V conforming to UL 508<br>300 V conforming to CSA C22.2 No 14<br>250 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 | 2.5 KV IEC 60664<br>2.5 kV IEC 60947-1 |
| Short-circuit protection | 4 A cartridge fuse, type gG |
| Electrical durability | 5000000 Cycles, DC-13, 120 V, 4 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>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<br>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 | 10000000 cycles |
| Width | 31 mm |
| Height | 65 mm |
| Depth | 30 mm |
| Terminals description ISO n°1 | (13-14)NO<br>(21-22)NC |

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## 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<br>IP67 conforming to IEC 60529 |
| IK degree of protection | IK04 conforming to EN 50102 |
| Electrical shock protection class | Class II conforming to IEC 61140<br>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 | UL<br>CSA<br>CCC |
| Standards | UL 508<br>EN 60204-1<br>EN 60947-5-1<br>CSA C22.2 No 14<br>IEC 60947-5-1<br>IEC 60204-1 |

## Packing Units

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|---|---|
| Package 1 Weight | 0.125 kg |
| Package 1 Height | 0.950 dm |
| Package 1 width | 0.320 dm |
| Package 1 Length | 0.380 dm |

## Contractual warranty

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|---|---|
| Warranty | 18 months |