

# XCKS141

Limit switch, Limit switches XC Standard, XCKS, thermoplastic plastic roller lever var. length, 1NC+1 NO, snap, Pg13

## Main

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| Range of Product              | Telemecanique Limit switches XC Standard                        |
| Series name                   | Standard format                                                 |
| Product or Component Type     | Limit switch                                                    |
| Device short name             | XCKS                                                            |
| Sensor design                 | -                                                               |
| Body type                     | Fixed                                                           |
| Head type                     | Rotary head                                                     |
| Material                      | Plastic                                                         |
| Body Material                 | Plastic                                                         |
| Head material                 | Plastic                                                         |
| Fixing Mode                   | By the body                                                     |
| Movement of operating head    | Rotary                                                          |
| Type of operator              | Spring return roller lever thermoplastic variable length        |
| Type of approach              | Lateral approach, 1 or 2 programmable direction                 |
| Cable entry                   | 1 entry tapped for Pg 13.5 cable gland 0.4...0.5 in (9...12 mm) |
| Number of poles               | 2                                                               |
| Contacts type and composition | 1 NC + 1 NO                                                     |
| Contact operation             | Snap action                                                     |

## Complementary

|                                              |                                                                                                                                                                                                                                                                  |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Switch actuation                             | By 30° cam                                                                                                                                                                                                                                                       |
| Electrical connection                        | Screw-clamp terminals 1 x 0.34...2 x 1.5 mm <sup>2</sup>                                                                                                                                                                                                         |
| Contacts insulation form                     | Zb                                                                                                                                                                                                                                                               |
| Number of steps                              | 1                                                                                                                                                                                                                                                                |
| Positive opening                             | With                                                                                                                                                                                                                                                             |
| Minimum torque for tripping                  | 0.9 lbf.in (0.1 N.m)                                                                                                                                                                                                                                             |
| Minimum actuation speed                      | 0.01 m/min                                                                                                                                                                                                                                                       |
| Maximum actuation speed                      | 4.9 ft/s (1.5 m/s)                                                                                                                                                                                                                                               |
| Contact code designation                     | A300, AC-15 (Ue = 240 V), Ie = 3 A IEC 60947-5-1 appendix A<br>Q300, DC-13 (Ue = 250 V), Ie = 0.27 A IEC 60947-5-1 appendix A                                                                                                                                    |
| [Ithe] conventional enclosed thermal current | 10 A AC                                                                                                                                                                                                                                                          |
| [Ui] rated insulation voltage                | 300 VUL 508<br>500 V 3)IEC 60947-1<br>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<br>6 kV IEC 60947-1                                                                                                                                                                                                                               |
| Short-circuit protection                     | 10 A cartridge fuse gG                                                                                                                                                                                                                                           |
| Electrical durability                        | 5000000 Cycles, DC-13, inductive, 120 V, 4 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C<br>5000000 Cycles, DC-13, inductive, 24 V, 10 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C<br>5000000 cycles, DC-13, inductive, 48 V, 7 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C |
| Mechanical durability                        | 20000000 cycles                                                                                                                                                                                                                                                  |

|                               |                             |
|-------------------------------|-----------------------------|
| Width                         | 1.6 in (40 mm)              |
| Height                        | 4.6...6.8 in (117...172 mm) |
| Depth                         | 2.2 in (57 mm)              |
| Net Weight                    | 0.364 lb(US) (0.165 kg)     |
| Terminals description ISO n°1 | (13-14)NO<br>(21-22)NC      |

## Environment

|                                       |                                                                                                               |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Shock resistance                      | 40 gn 11 ms IEC 60068-2-27                                                                                    |
| Vibration resistance                  | 25 gn 10...500 Hz IEC 60068-2-6                                                                               |
| IP degree of protection               | IP67 conforming to IEC 60529<br>IP66 conforming to IEC 60529                                                  |
| IK degree of protection               | IK05 conforming to IEC 62262                                                                                  |
| Electrical shock protection class     | Class II IEC 61140<br>Class II NF C 20-030                                                                    |
| Overvoltage category                  | Class II IEC 61140<br>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[RETURN]CSA[RETURN]CCC                                                                                      |
| Standards                             | UL 508<br>IEC 60204-1<br>IEC 60947-5-1<br>IEC 60947-5-1<br>CENELEC EN 50041<br>IEC 60204-1<br>CSA C22.2 No 14 |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US1000T22417  |
| Discount Schedule | 000T          |
| GTIN              | 3389110646917 |
| Returnability     | Yes           |
| Country of origin | US            |

## Packing Units

|                              |                          |
|------------------------------|--------------------------|
| Unit Type of Package 1       | PCE                      |
| Number of Units in Package 1 | 1                        |
| Package 1 Height             | 1.61 in (4.100 cm)       |
| Package 1 Width              | 3.78 in (9.600 cm)       |
| Package 1 Length             | 5.20 in (13.200 cm)      |
| Package 1 Weight             | 6.561 oz (186.000 g)     |
| Unit Type of Package 2       | S02                      |
| Number of Units in Package 2 | 22                       |
| Package 2 Height             | 5.91 in (15.000 cm)      |
| Package 2 Width              | 11.81 in (30.000 cm)     |
| Package 2 Length             | 15.75 in (40.000 cm)     |
| Package 2 Weight             | 10.199 lb(US) (4.626 kg) |

## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SCIP Number                | Ed3b08de-56d1-4438-aa29-53ba9776c5b8                                                                                                                                                                                                                                                                                                                                              |
| California proposition 65  | WARNING: This product can expose you to chemicals including: 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. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)                                                                                                                                                                                                                                                                                                                        |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                                                                                                               |
| RoHS exemption information |  Yes                                                                                                                                                                                                                                                                                             |

## Contractual warranty

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