

# Product data sheet

Specifications



## Limit switch, Limit switches XC Standard, XCKM, thermoplastic roller lever, 1NC+1 NO, snap action

XCKMR1656363

### Main

Range of product	Telemecanique Limit switches XC Standard
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKL
Body type	Fixed
Head type	Rotary head
Material	Metal
Body material	Zamak
Fixing mode	By the body
Movement of operating head	Rotary
Type of operator	Spring return roller lever thermoplastic
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 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
Positive opening minimum torque	2.21 lbf.in (0.25 N.m)
Minimum torque for tripping	0.89 lbf.in (0.1 N.m)
Minimum actuation speed	0.01 m/min
Maximum actuation speed	4.92 ft/s (1.5 m/s)
Contact code designation	A300, AC-15 (U <sub>e</sub> = 240 V), I <sub>e</sub> = 3 A EN/IEC 60947-5-1 appendix A Q300, DC-13 (U <sub>e</sub> = 250 V), I <sub>e</sub> = 0.27 A EN/IEC 60947-5-1 appendix A

<b>[Ithe] conventional enclosed thermal current</b>	10 A AC
<b>[Ui] rated insulation voltage</b>	300 VUL 508 500 V 3)IEC 60947-1 300 VCSA C22.2 No 14
<b>Maximum resistance across terminals</b>	25 MOhm IEC 60255-7 category 3
<b>[Uimp] rated impulse withstand voltage</b>	6 kV IEC 60664 6 kV IEC 60947-1
<b>Short-circuit protection</b>	10 A cartridge fuse gG
<b>Electrical durability</b>	5000000 cycles, DC-13, inductive, 120 V, 4 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 cycles, DC-13, inductive, 24 V, 7 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 cycles, DC-13, inductive, 48 V, 10 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C
<b>Mechanical durability</b>	15000000 cycles
<b>Width</b>	2.05 in (52 mm)
<b>Height</b>	2.83 in (72 mm)
<b>Depth</b>	1.18 in (30 mm)
<b>Terminals description ISO n°1</b>	(13-14)NO (21-22)NC

## Environment

<b>Shock resistance</b>	50 gn 11 ms EN/IEC 60068-2-27
<b>Vibration resistance</b>	25 gn 10...500 Hz)EN/IEC 60068-2-6
<b>IP degree of protection</b>	IP66 EN/IEC 60529
<b>IK degree of protection</b>	IK05 EN 50102
<b>Electrical shock protection class</b>	Class I IEC 61140 Class I NF C 20-030
<b>Ambient air temperature for operation</b>	-13...158 °F (-25...70 °C)
<b>Ambient air temperature for storage</b>	-40...158 °F (-40...70 °C)
<b>Protective treatment</b>	TC
<b>Product certifications</b>	UL CSA
<b>Standards</b>	EN 60947-5-1 CSA C22.2 No 14 IEC 60947-5-1 UL 508 EN 60204-1 IEC 60204-1

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	3.54 in (9.0 cm)
<b>Package 1 Width</b>	4.84 in (12.3 cm)
<b>Package 1 Length</b>	12.44 in (31.6 cm)
<b>Package 1 Weight</b>	30.41 oz (862.0 g)
<b>Unit Type of Package 2</b>	P06
<b>Number of Units in Package 2</b>	48
<b>Package 2 Height</b>	30.31 in (77.0 cm)
<b>Package 2 Width</b>	31.50 in (80.0 cm)

<b>Package 2 Length</b>	23.62 in (60.0 cm)
<b>Package 2 Weight</b>	122.53 lb(US) (55.58 kg)

## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>EU RoHS Directive</b>	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>RoHS exemption information</b>	Yes
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>

## Recommended replacement(s)