XCKP2139M12

limit switch XCKP - thermoplastic roller lever Ø50mm - 1NC+1NO - snap - M12

Green Premium™ Product
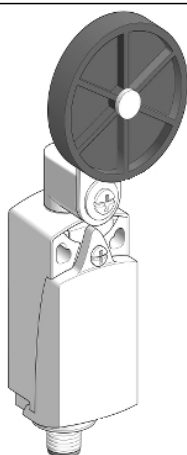
Main

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
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Head material	Zamak
Fixing mode	By the body
Movement of operating head	Rotary
Type of operator	Spring return roller lever thermoplastic roller diameter 50 mm
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	Male connector M12, 4 pins
Contacts insulation form	Zb
Positive opening	With
Minimum torque for tripping	0.1 N.m
Maximum actuation speed	1.5 m/s
Repeat accuracy	0.1 mm on the tripping points with 1 million operating cycles
[Ie] rated operational current	3 A at 240 V, AC-15 conforming to EN/IEC 60947-5-1 appendix A 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 508 300 V conforming to CSA C22.2 No 14 250 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 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 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	10000000 cycles
Width	31 mm
Height	65 mm
Depth	30 mm

Net weight	0.155 kg
Terminals description ISO n°1	(21-22)NC (13-14)NO

Environment

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 EN 50102
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	CCC UL CSA
Standards	IEC 60204-1 EN 60947-5-1 UL 508 EN 60204-1 IEC 60947-5-1 CSA C22.2 No 14

Packing Units

|	
Package 1 Weight	0.144 kg
Package 1 Height	0.520 dm
Package 1 width	0.520 dm
Package 1 Length	1.500 dm

Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

Warranty	18 months

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Dimensions
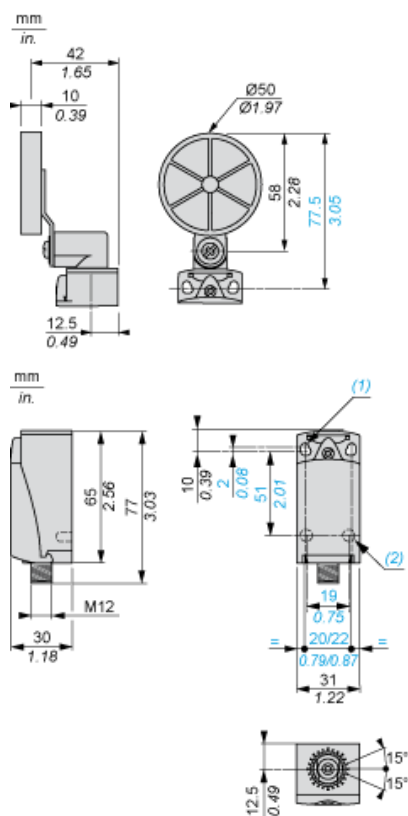
(1)   2 elongated holes Ø 4.3 x 6.3 mm on 22 mm centres, 2 holes Ø 4.3 on 20 mm centres.
(2)   2 x Ø 3 holes for support studs, depth 4 mm.

Mounting with Cable Entry

Position of Cable Gland

(1)   Recommended
(2)   To be avoided

Mounting with Rotary Heads and Levers

Type of Cam

(1)   Recommended
(2)   To be avoided

Setting-up with Head ZCE01 and ZCE09

(1)   Tightening torque (Min : 1) (Max : 1.5)
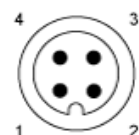(2)   Tightening torque (Min : 0.8) (Max : 1.2)

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Wiring Diagram

2-pole NC + NO Snap Action
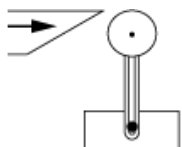

Connections
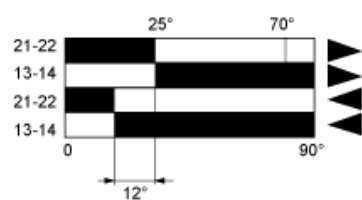
M12 Connector

1-2 : NC
3-4 : NO

Characteristics of Actuation

Switch Actuation by 30° Cam

Functionnal Diagram

(1)   Closed
(2)   Open
(4)   Tripping
(5)   Resetting

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