



Main

Range of product	Telemecanique Limit switches XC Standard
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKN
Sensor design	Compact form C
Body type	Fixed
Head type	Plunger head
Material	Plastic
Body material	Plastic
Head material	Plastic
Fixing mode	By the body
Movement of operating head	Linear
Type of operator	Spring return roller plunger plastic
Type of approach	Lateral approach, 2 directions
Cable entry	1 entry tapped for Pg 11 cable gland
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 ²
Contacts insulation form	Zb
Positive opening	With
Positive opening minimum force	20 N
Minimum force for tripping	12 N
Maximum actuation speed	0.98 ft/s (0.3 m/s)
Contact code designation	A300, AC-15 (Ue = 240 V), Ie = 3 A, Ithe = 10 A conforming to EN/IEC 60947-5-1 appendix A R300, DC-13 (Ue = 250 V), Ie = 0.1 A EN/IEC 60947-5-1 appendix A
[Ui] rated insulation voltage	300 V conforming to UL 508 500 V (pollution degree 3) conforming to IEC 60947-1 300 V conforming to CSA C22.2 No 14
[Uimp] rated impulse withstand voltage	6 kV IEC 60664 6 kV IEC 60947-1
Short-circuit protection	10 A cartridge fuse 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	1.18 in (30 mm)
Height	3.35 in (85 mm)
Maximum Depth	1.18 in (30 mm)

Net Weight	0.32 lb(US) (0.145 kg)
Terminals description ISO n°1	(13-14)NO (21-22)NC

Environment

Shock resistance	45 gn 11 ms IEC 60068-2-27
Vibration resistance	25 gn 10...500 Hz)IEC 60068-2-6
IP degree of protection	IP65 conforming to IEC 60529
IK degree of protection	IK04 conforming to EN 50102
Overvoltage category	Class II IEC 61140 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 CCC CSA
Standards	CSA C22.2 No 14 EN 60947-5-1 UL 508 EN 60204-1 IEC 60204-1 IEC 60947-5-1

Ordering and shipping details

Category	22435 - LIMIT SWITCHES,TYPE XCM
Discount Schedule	T
GTIN	00785901480983
Nbr. of units in pkg.	20
Package weight(Lbs)	0.14 lb(US) (0.06 kg)
Returnability	Yes
Country of origin	ID

Packing Units

Package 1 Height	0.300 dm
Package 1 width	0.300 dm
Package 1 Length	0.850 dm

Offer Sustainability

Sustainable offer status	Green Premium product
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 www.P65Warnings.ca.gov
REACH Regulation	REACH Declaration
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

Contractual warranty

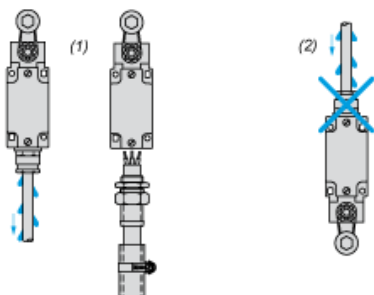
Warranty	18 months
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Technical drawing of the 1000 Series 1/2" (1000 Series 1/2") showing two views: front and side. The front view shows a cylindrical body with a total height of 85 mm (3.35 in.) and a base diameter of 30 mm (1.18 in.). The top section has a diameter of 25 mm (0.98 in.) and a height of 12.5 mm (0.49 in.). The side view shows a cylindrical body with a total height of 30 mm (1.18 in.) and a base diameter of 30 mm (1.18 in.). The top section has a diameter of 25 mm (0.98 in.) and a height of 12.5 mm (0.49 in.). The side view also shows a diameter of 11 mm (0.43 in.) and a height of 2 mm (0.08 in.).

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Mounting with Cable Entry

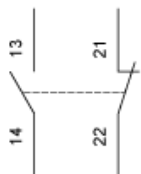
Position of Cable Gland



- (1) Recommended
(2) To be avoided

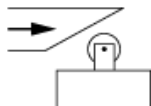
Wiring Diagram

2-pole NC + NO Snap Action

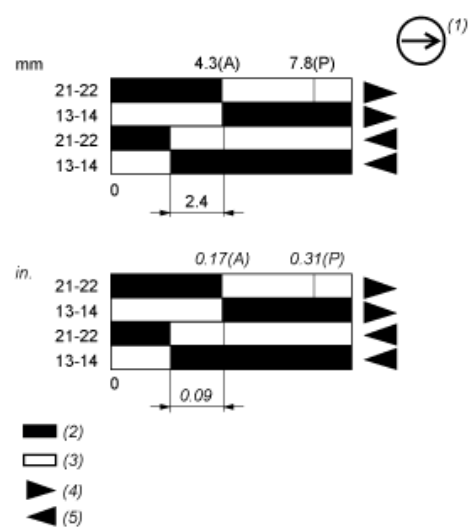


Characteristics of Actuation

Switch Actuation by 30° Cam



Functionnal Diagram



- (P) Positive opening point
(A) Cam displacement
(1) NC contact with positive opening operation
(2) Closed
(3) Open
(4) Tripping
(5) Resetting