

# XCSM3902L5

Safety limit switch, Telemecanique Safety switches XCS, XCSM, metal, roller plunger, 2 NC + 1 NO, cable 5 m

## Main

Range of Product	Telemecanique Safety switches XCS
Product or Component Type	Safety limit switch
Component name	XCSM
Design	Miniature
Material	Metal
Head type	Plunger head
Protection technology	Plastic protective cover, secured by 5-lobe socket head safety screw
Type of approach	Lateral approach
Type of operator	Roller plunger
Contacts type and composition	1 NC + 1 NC + 1 NO
Contact operation	Snap action

## Complementary

Electrical Connection	Pre-cabled
Cable length	16.4 ft (5 m)
Cable composition	7 x 0.5 mm <sup>2</sup>
Switch actuation	By 30° cam
Fixing Mode	By the body
Number of poles	3
Positive opening	With NC contact
Mechanical durability	10000000 cycles
Minimum force for tripping	7 N
Positive opening minimum force	35 N
Minimum actuation speed	0.01 m/min
Maximum actuation speed	1.6 ft/s (0.5 m/s)
Contact code designation	B300, AC-15 (Ue = 240 V, Ie = 1.5 A) IEC 60947-5-1 B300, AC-15 (Ue = 240 V, Ie = 1.5 A) IEC 60947-5-1 appendix A R300, DC-13 (Ue = 250 V, Ie = 0.1 A) IEC 60947-5-1 R300, DC-13 (Ue = 250 V, Ie = 0.1 A) IEC 60947-5-1 appendix A
[Ui] rated insulation voltage	300 VUL 508 400 V 3) IEC 60947-5-1 300 VCSA C22.2 No 14
[Uimp] rated impulse withstand voltage	4 kV IEC 60664 4 kV IEC 60947-1
Maximum resistance across terminals	25 MOhm IEC 60255-7 category 3
Short-circuit protection	6 A cartridge fuse gG (gl)
Repeat accuracy	0.05 mm on the tripping points
Body material	Zamak
Head material	Zamak
Depth	0.6 in (16 mm)
Height	2.8 in (70 mm)
Width	1.2 in (30 mm)
Net Weight	0.37 lb(US) (0.17 kg)

## Environment

Standards	IEC 60204-1 CSA C22.2 No 14 EN 1088 IEC 60947-5-1 UL 508
Product Certifications	CSA[RETURN]UL
Safety level	Can reach category 4 with the appropriate monitoring system and correctly wired ISO 13849-1 Can reach PL = e with the appropriate monitoring system and correctly wired ISO 13849-1 Can reach SIL 3 with the appropriate monitoring system and correctly wired IEC 61508
Safety reliability data	B10d = 50000000 value given for a life time of 20 years limited by mechanical or contact wear
Protective treatment	TC
Ambient Air Temperature for Operation	-13...158 °F (-25...70 °C)
Ambient Air Temperature for Storage	-40...158 °F (-40...70 °C)
Vibration resistance	5 gn 10...500 Hz)IEC 60068-2-6
Shock resistance	25 gn 18 ms IEC 60068-2-27
Electrical shock protection class	Class I Class I IEC 61140
IP degree of protection	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529 IP68 conforming to IEC 60529
IK degree of protection	IK06 conforming to IEC 62262

## Ordering and shipping details

Category	US1000T22411
Discount Schedule	000T
GTIN	3389110244076
Returnability	Yes
Country of origin	ID

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.4 in (3.5 cm)
Package 1 Width	7.09 in (18.0 cm)
Package 1 Length	8.3 in (21.0 cm)
Package 1 Weight	19.1 oz (542.0 g)
Unit Type of Package 2	S03
Number of Units in Package 2	20
Package 2 Height	11.8 in (30 cm)
Package 2 Width	11.8 in (30 cm)
Package 2 Length	15.7 in (40 cm)
Package 2 Weight	22.937 lb(US) (10.404 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	160
Package 3 Height	29.5 in (75 cm)
Package 3 Width	23.6 in (60 cm)
Package 3 Length	31.5 in (80 cm)
Package 3 Weight	209.4 lb(US) (95 kg)

## 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
For all Reach Rohs enquiries contact us at	<a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>

## Contractual warranty

Warranty	18 months
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