

# Product datasheet

Specifications



## safety limit switch XCSM - metal - roller plunger - 2 NC + 1 NO - cable 5 m

Local distributor code: 388806874 XCSM3902L5

EAN Code : 3389110244076

### 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	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	0.5 m/s
Contact code designation	B300, AC-15 (Ue = 240 V, Ie = 1.5 A) conforming to EN 60947-5-1 B300, AC-15 (Ue = 240 V, Ie = 1.5 A) conforming to EN/IEC 60947-5-1 appendix A R300, DC-13 (Ue = 250 V, Ie = 0.1 A) conforming to EN 60947-5-1 R300, DC-13 (Ue = 250 V, Ie = 0.1 A) conforming to EN/IEC 60947-5-1 appendix A
[Ui] rated insulation voltage	300 V conforming to UL 508 400 V (pollution degree 3) conforming to IEC 60947-5-1 300 V conforming to CSA C22.2 No 14

<b>[Uimp] rated impulse withstand voltage</b>	4 kV conforming to IEC 60664 4 kV conforming to IEC 60947-1
<b>Maximum resistance across terminals</b>	25 MOhm conforming to IEC 60255-7 category 3
<b>Short-circuit protection</b>	6 A cartridge fuse type gG (gl)
<b>Repeat accuracy</b>	0.05 mm on the tripping points
<b>Body material</b>	Zamak
<b>Head material</b>	Zamak
<b>Depth</b>	16 mm
<b>Height</b>	70 mm
<b>Width</b>	30 mm
<b>Net weight</b>	0.17 kg

## Environment

<b>Standards</b>	EN/IEC 60204-1 CSA C22.2 No 14 EN 1088 EN/IEC 60947-5-1 UL 508
<b>Product certifications</b>	CSA UL
<b>Safety level</b>	Can reach category 4 with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1 Can reach PL = e with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1 Can reach SIL 3 with the appropriate monitoring system and correctly wired conforming to IEC 61508
<b>Safety reliability data</b>	B10d = 50000000 value given for a life time of 20 years limited by mechanical or contact wear
<b>Protective treatment</b>	TC
<b>Ambient air temperature for operation</b>	-25...70 °C
<b>Ambient air temperature for storage</b>	-40...70 °C
<b>Vibration resistance</b>	5 gn (f= 10...500 Hz) conforming to IEC 60068-2-6
<b>Shock resistance</b>	25 gn for 18 ms conforming to IEC 60068-2-27
<b>Electrical shock protection class</b>	Class I conforming to NF C 20-030 Class I conforming to EN/IEC 61140
<b>IP degree of protection</b>	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529 IP68 conforming to IEC 60529
<b>IK degree of protection</b>	IK06 conforming to EN 50102

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	3.5 cm
<b>Package 1 Width</b>	18.0 cm
<b>Package 1 Length</b>	21.0 cm
<b>Package 1 Weight</b>	542.0 g

## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>

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<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>	<a href="#">Yes</a>
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>

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## **Contractual warranty**

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<b>Warranty</b>	18 months
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**Recommended replacement(s)**