



## 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	Slow-break, break before make

## Complementary

Electrical connection	Pre-cabled
Cable length	6.56 ft (2 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	6 m/min
Maximum actuation speed	1.64 ft/s (0.5 m/s)
Contact code designation	B300, AC-15 (U <sub>e</sub> = 240 V, I <sub>e</sub> = 1.5 A)EN 60947-5-1 B300, AC-15 (U <sub>e</sub> = 240 V, I <sub>e</sub> = 1.5 A)EN/IEC 60947-5-1 appendix A

R300, DC-13 (Ue = 250 V, Ie = 0.1 A)EN 60947-5-1  
R300, DC-13 (Ue = 250 V, Ie = 0.1 A)EN/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	0.63 in (16 mm)
Height	2.76 in (70 mm)
Width	1.18 in (30 mm)
Net weight	0.37 lb(US) (0.17 kg)

## Environment

Standards	EN/IEC 60947-5-1 UL 508 CSA C22.2 No 14 EN 1088 EN/IEC 60204-1
Product certifications	UL CSA
Safety level	Can reach category 4 with the appropriate monitoring system and correctly wired EN/ISO 13849-1 Can reach PL = e with the appropriate monitoring system and correctly wired EN/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	25 gn 10...500 Hz)IEC 60068-2-6
Shock resistance	25 gn for 18 ms conforming to IEC 60068-2-27
Electrical shock protection class	Class I conforming to NF C 20-030 Class I EN/IEC 61140
IP degree of protection	IP66 IEC 60529 IP67 IEC 60529 IP68 IEC 60529
IK degree of protection	IK06 EN 50102

## Packing Units

Package 1 Weight	0.63 lb(US) (0.287 kg)
Package 1 Height	0.200 dm
Package 1 width	1.900 dm
Package 1 Length	1.900 dm

## Offer Sustainability

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

## Contractual warranty

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Warranty	18 months
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