



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 + 1 NO
Contact operation	Snap action

Complementary

Electrical connection	Pre-cabled
Cable length	6.56 ft (2 m)
Cable composition	9 x 0.34 mm ²
Switch actuation	By 30° cam
Fixing mode	By the body
Number of poles	4
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	1.64 ft/s (0.5 m/s)
Contact code designation	B300, AC-15 (Ue = 240 V, Ie = 1.5 A)EN 60947-5-1 B300, AC-15 (Ue = 240 V, Ie = 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 EN 1088 EN/IEC 60204-1 UL 508 CSA C22.2 No 14
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	5 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	0.59 lb(US) (0.268 kg)
Package 1 Height	0.250 dm
Package 1 width	2.000 dm
Package 1 Length	2.600 dm

Offer Sustainability

Sustainable offer status	Green Premium product
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
Circularity Profile	End of Life Information

Contractual warranty

Warranty	18 months
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