



Main

Range of product	Telemecanique Safety switches XCS
Product or component type	Safety limit switch
Component name	XCSM
Design	Miniature
Material	Metal
Head type	Rotary head
Protection technology	Plastic protective cover, secured by 5-lobe socket head safety screw
Type of approach	Lateral approach
Type of operator	Steel roller lever
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 ²
Switch actuation	By 30° cam
Fixing mode	By the body
Number of poles	3
Positive opening	With NC contact
Mechanical durability	10000000 cycles
Minimum torque for tripping	0.5 N.m
Positive opening minimum torque	0.1 N.m
Minimum actuation speed	0.01 m/min
Maximum actuation speed	1.5 m/s
Contact code designation	B300, AC-15 (Ue = 240 V, Ie = 1.5 A) conforming to IEC 60947-5-1 B300, AC-15 (Ue = 240 V, Ie = 1.5 A) conforming to IEC 60947-5-1 appendix A R300, DC-13 (Ue = 250 V, Ie = 0.1 A) conforming to IEC 60947-5-1 R300, DC-13 (Ue = 250 V, Ie = 0.1 A) conforming to 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
[Uimp] rated impulse withstand voltage	4 kV conforming to IEC 60664 4 kV conforming to IEC 60947-1
Maximum resistance across terminals	25 MOhm conforming to IEC 60255-7 category 3
Short-circuit protection	6 A cartridge fuse type gG (gl)
Repeat accuracy	0.05 mm on the tripping points
Body material	Zamak
Head material	Zamak
Depth	34 mm
Height	94 mm
Width	30 mm
Net weight	0.21 kg

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Environment

Standards	IEC 60204-1 EN 1088 CSA C22.2 No 14 IEC 60947-5-1 UL 508
Product certifications	UL[RETURN]CSA
Safety level	Can reach category 4 with the appropriate monitoring system and correctly wired conforming to ISO 13849-1 Can reach PL = e with the appropriate monitoring system and correctly wired conforming to ISO 13849-1 Can reach SIL 3 with the appropriate monitoring system and correctly wired conforming to 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	-25...70 °C
Ambient air temperature for storage	-40...70 °C
Vibration resistance	5 gn (f= 10...500 Hz) conforming to IEC 60068-2-6
Shock resistance	25 gn for 18 ms conforming to IEC 60068-2-27
Electrical shock protection class	Class I Class I conforming to 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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.0 cm
Package 1 Width	20.0 cm
Package 1 Length	19.0 cm
Package 1 Weight	583.0 g
Unit Type of Package 2	PAL
Number of Units in Package 2	160
Package 2 Height	60.0 cm
Package 2 Width	80.0 cm
Package 2 Length	160.0 cm
Package 2 Weight	93.28 kg
Unit Type of Package 3	S03
Number of Units in Package 3	20
Package 3 Height	30.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	12.457 kg

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)
Mercury free	Yes
RoHS exemption information	 Yes

Contractual warranty

Warranty	18 months
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