



## Main

Range of product	Preventa Safety detection
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	Thermoplastic roller lever
Contacts type and composition	1 NC + 1 NC + 1 NO
Contact operation	Snap action

## 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 torque for tripping	4.42 lbf.in (0.5 N.m)
Positive opening minimum torque	0.88 lbf.in (0.1 N.m)
Minimum actuation speed	0.01 m/min
Maximum actuation speed	4.92 ft/s (1.5 m/s)
Contact code designation	B300, AC-15 (U <sub>e</sub> = 240 V, I <sub>e</sub> = 1.5 A) conforming to EN 60947-5-1 B300, AC-15 (U <sub>e</sub> = 240 V, I <sub>e</sub> = 1.5 A) conforming to EN/IEC 60947-5-1 appendix A R300, DC-13 (U <sub>e</sub> = 250 V, I <sub>e</sub> = 0.1 A) conforming to EN 60947-5-1 R300, DC-13 (U <sub>e</sub> = 250 V, I <sub>e</sub> = 0.1 A) conforming to EN/IEC 60947-5-1 appendix A
[U <sub>i</sub> ] rated insulation voltage	400 V (degree of pollution: 3) conforming to IEC 60947-5-1 300 V conforming to UL 508 300 V conforming to CSA C22.2 No 14
[U <sub>imp</sub> ] rated impulse withstand voltage	4 kV conforming to IEC 60664 4 kV conforming to IEC 60947-1
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	1.34 in (34 mm)
Height	3.7 in (94 mm)
Width	1.18 in (30 mm)
Product weight	0.45 lb(US) (0.205 kg)

## Environment

standards	EN 1088 EN/IEC 60204-1 EN/IEC 60947-5-1
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The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

product certifications	CSA UL
safety level	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
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 (f = 10...500 Hz) conforming to IEC 60068-2-6
shock resistance	25 gn 18 ms conforming to IEC 60068-2-27
electrical shock protection class	Class I conforming to EN/IEC 61140 Class I conforming to NF C 20-030
IP degree of protection	IP68 conforming to IEC 60529 IP66 conforming to IEC 60529 IP67 conforming to IEC 60529
IK degree of protection	IK06 conforming to EN 50102

### Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 1002 - Schneider Electric declaration of conformity	Compliant - since 1002 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Need no specific recycling operations	Need no specific recycling operations
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	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.	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 more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>

### Contractual warranty

Warranty period	18 months
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