



**THE DATASHEET OF  
XCMD2117M12**



# XCSD3918P20

Safety limit switch, Telemecanique Safety switches XCS, metal, rotary lever, 2NC+1 NO, 1 entry tapped M20 x 1.5



## Main

Range of Product	Telemecanique Safety switches XCS
Product or Component Type	Safety limit switch
Component name	XCSD
Design	Compact
Material	Metal
Head type	Rotary head
Protection technology	Plastic protective cover, secured by 5-lobe socket head safety screw
Type of operator	Thermoplastic roller lever
Contacts type and composition	1 NC + 1 NC + 1 NO
Contact operation	Snap action
Cable entry	1 entry tapped M20 x 1.5

## Complementary

Electrical Connection	Terminal
Clamping Connection Capacity	1 x 0.34...2 x 0.75 mm <sup>2</sup>
Switch actuation	By 30° cam
Number of poles	3
Positive opening	With NC contact
Mechanical durability	10000000 cycles
Minimum torque for tripping	0.89 lbf.in (0.1 N.m)
Positive opening minimum torque	2.21 lbf.in (0.25 N.m)
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)EN/IEC 60947-5-1 appendix A R300, DC-13 (U <sub>e</sub> = 250 V, I <sub>e</sub> = 0.1 A)EN/IEC 60947-5-1 appendix A
[I <sub>th</sub> ] conventional enclosed thermal current	6 A
[U <sub>i</sub> ] rated insulation voltage	300 VUL 508 400 V 3)EN/IEC 60947-1 300 VCSA C22.2 No 14
[U <sub>imp</sub> ] rated impulse withstand voltage	4 KV EN/IEC 60947-1 4 kV IEC 60664
Maximum resistance across terminals	25 MOhm IEC 60255-7 category 3
Short-circuit protection	6 A cartridge fuse gG (gl)
Repeat accuracy	0.1 mm on tripping points, 1 million operating cycles for head with end plunger
Body Material	Zamak
Head material	Zamak
Enclosure Material	Plastic
Depth	1.38 in (35 mm)
Height	4.80 in (122 mm)
Width	1.34 in (34 mm)
Net Weight	0.56 lb(US) (0.255 kg)

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.

## Environment

Standards	EN 1088/ISO 14119 UL 508 CSA C22.2 No 14 EN/IEC 60204-1 EN/IEC 60947-5-1
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	50 gn 11 ms IEC 60068-2-27
Electrical shock protection class	Class I NF C 20-030 Class I EN/IEC 61140
IP degree of protection	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529
IK degree of protection	IK06 EN 50102

## Ordering and shipping details

Category	22411-LIMIT SWITCHES,IEC,XCKJ
Discount Schedule	T
GTIN	3389110240672
Nbr. of units in pkg.	1
Package weight(Lbs)	8.32 oz (236.0 g)
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.26 in (3.2 cm)
Package 1 width	2.13 in (5.4 cm)
Package 1 Length	5.20 in (13.2 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	15
Package 2 Weight	8.25 lb(US) (3.74 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)

## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: 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. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
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>

## Contractual warranty

Warranty	18 months
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