

# XCSP3702P20

safety limit switch - plastic - roller plunger -  
2NC+1NO - 1entry tapped M20x1.5

Product availability: Non-Stock - Not normally stocked in distribution facility



## Main

Commercial Status	Commercialised
Range of product	Preventa Safety detection
Product or component type	Safety limit switch
Component name	XCSP
Design	Compact
Material	Plastic
Head type	Plunger head
Protection technology	Plastic protective cover, secured by 5-lobe socket head safety screw
Type of operator	Steel roller plunger
Contacts type and composition	1 NC + 1 NC + 1 NO
Contacts operation	Slow-break, break before make
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 force for tripping	12 N
Positive opening minimum force	36 N
Maximum actuation speed	1.64 ft/s (0.5 m/s)
Contact code designation	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 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
[I <sub>th</sub> ] conventional enclosed thermal current	6 A
[U <sub>i</sub> ] rated insulation voltage	300 V conforming to CSA C22.2 No 14 400 V (degree of pollution: 3) conforming to EN/IEC 60947-1 300 V conforming to UL 508
[U <sub>imp</sub> ] rated impulse withstand voltage	4 kV conforming to IEC 60664 4 kV conforming to EN/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	0.1 mm on tripping points, 1 million operating cycles for head with end plunger
Body material	Plastic
Head material	Zamak
Enclosure material	Plastic
Depth	1.38 in (35 mm)
Height	3.94 in (100 mm)
Width	1.34 in (34 mm)
Product weight	0.56 lb(US) (0.255 kg)

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## Environment

Standards	EN 1088/ISO 14119 EN/IEC 60204-1 EN/IEC 60947-5-1 UL 508 CSA C22.2 No 14
Product certifications	CSA UL
Safety level	Can reach SIL 3 with the appropriate monitoring system and correctly wired conforming to IEC 61508 Can reach PL = e with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1 Can reach category 4 with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1
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 (f = 10...500 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27
Class of protection against electric shock	Class II conforming to NF C 20-030 Class II conforming to IEC 6140
IP degree of protection	IP67 conforming to IEC 60529 IP66 conforming to IEC 60529
IK degree of protection	IK04 conforming to EN 50102

## Ordering and shipping details

Category	22411 - LIMIT SWITCHES,IEC,XCKJ
Discount Schedule	T
GTIN	003389110239836
Nbr. of units in pkg.	1
Package weight(Lbs)	0.70
Product availability	Non-Stock - Not normally stocked in distribution facility
Returnability	N
Country of origin	FR

## Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 1103 - <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available <a href="#">Download Product Environmental</a>

## Contractual warranty

Period	18 months
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