

# Product data sheet

Specifications



## Safety limit switch, Telemecanique Safety switches XCS, XCSM, metal, roller plunger, 2 NC + 1 NO, cable 1 m

XCSM3702L1

### 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
Contact Operation	Slow-break, break before make

### Complementary

Electrical Connection	Pre-cabled
Cable Length	1 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 Force For Tripping	7 N
Positive Opening Minimum Force	35 N
Minimum Actuation Speed	6 m/min
Maximum Actuation Speed	0.5 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
[Uij] 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

<b>Maximum Resistance Across Terminals</b>	25 MOhm conforming to IEC 60255-7 category 3
<b>Short-Circuit Protection</b>	6 A cartridge fuse type gG (gl)
<b>Repeat Accuracy</b>	0.05 mm on the tripping points
<b>Body Material</b>	Zamak
<b>Head Material</b>	Zamak
<b>Depth</b>	16 mm
<b>Height</b>	70 mm
<b>Width</b>	30 mm
<b>Net Weight</b>	0.17 kg

## Environment

<b>Standards</b>	IEC 60204-1 CSA C22.2 No 14 IEC 60947-5-1 EN 1088 UL 508
<b>Product Certifications</b>	CSA UL
<b>Safety Level</b>	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
<b>Safety Reliability Data</b>	B10d = 50000000 value given for a life time of 20 years limited by mechanical or contact wear
<b>Protective Treatment</b>	TC
<b>Ambient Air Temperature For Operation</b>	-25...70 °C
<b>Ambient Air Temperature For Storage</b>	-40...70 °C
<b>Vibration Resistance</b>	25 gn (f= 10...500 Hz) conforming to IEC 60068-2-6
<b>Shock Resistance</b>	25 gn for 18 ms conforming to IEC 60068-2-27
<b>Electrical Shock Protection Class</b>	Class I Class I conforming to IEC 61140
<b>Ip Degree Of Protection</b>	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529 IP68 conforming to IEC 60529
<b>Ik Degree Of Protection</b>	IK06 conforming to IEC 62262

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	2.0 cm
<b>Package 1 Width</b>	18.0 cm
<b>Package 1 Length</b>	18.0 cm
<b>Package 1 Weight</b>	202.0 g
<b>Unit Type Of Package 2</b>	PAL
<b>Number Of Units In Package 2</b>	440
<b>Package 2 Height</b>	60.0 cm

Package 2 Width	80.0 cm
Package 2 Length	440.0 cm
Package 2 Weight	94.6 kg
Unit Type Of Package 3	S03
Number Of Units In Package 3	55
Package 3 Height	30.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	11.784 kg

## Contractual warranty

Warranty	18 months
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



RoHS/REACH

## Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

## Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Pro-active compliance (Product out of EU RoHS legal scope)

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 Diisodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)