

# Product data sheet

Specifications



Safety switch, Telemecanique  
Safety switches XCS, metal XCSA,  
1 NC + 2 NO, slow break, 1 entry  
tapped Pg 13

XCSA501

## Main

Range Of Product	Telemecanique Safety switches XCS
Product Or Component Type	Safety switch
Component Name	XCSA
Design	Industrial
Material	Metal
Head Type	Key operated turret head
Contacts Type And Composition	1 NC + 2 NO
Contact Operation	Slow-break, break before make
Cable Entry	1 entry tapped for Pg 13.5
Cable Outer Diameter	9...12 mm
Electrical Connection	Terminal, clamping capacity: 1 x 0.5...2 x 1.5 mm² with or without cable end
Number Of Poles	3
Locking Options Description	Without locking of actuator
Local Signalling	Without

## Complementary

Positive Opening	With NC contact
Mechanical Durability	1000000 cycles
Minimum Actuation Speed	0.01 m/s
Maximum Actuation Speed	0.5 m/s
[Ie] Rated Operational Current	6 A at 120 V, AC-15, A300 conforming to IEC 60947-5-1 3 A at 240 V, AC-15, A300 conforming to IEC 60947-5-1 0.55 A at 125 V, DC-13, Q300 conforming to IEC 60947-5-1 0.27 A at 250 V, DC-13, Q300 conforming to IEC 60947-5-1
[Ithe] Conventional Enclosed Thermal Current	10 A
[Ui] Rated Insulation Voltage	300 V conforming to UL 508 500 V conforming to IEC 60947-1 300 V conforming to CSA C22.2 No 14
[Uimp] Rated Impulse Withstand Voltage	6 kV conforming to IEC 60947-5-1
Short-Circuit Protection	10 A cartridge fuse type gG (gl)
Minimum Actuator Force For Extraction	20 N
Maximum Operating Rate	10 cyc/mn for maximum durability

Disclaimer: 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

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 = 5000000 value given for a life time of 20 years limited by mechanical or contact wear
Body Material	Zamak
Head Material	Zamak
Depth	44 mm
Height	114 mm
Width	40 mm
Net Weight	0.44 kg

## Environment

Standards	IEC 60204-1 EN 1088/ISO 14119 IEC 60947-5-1 CSA C22.2 No 14 ISO 12100 UL 508
Product Certifications	UL CSA
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	10 gn for 11 ms conforming to IEC 60068-2-27
Electrical Shock Protection Class	Class I conforming to IEC 61140
Ip Degree Of Protection	IP67 conforming to EN/IEC 60529 and EN/IEC 60947-5-1

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	7.000 cm
Package 1 Width	12.500 cm
Package 1 Length	4.300 cm
Package 1 Weight	500.000 g
Unit Type Of Package 2	S01
Number Of Units In Package 2	10
Package 2 Height	15.000 cm
Package 2 Width	15.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	5.230 kg
Unit Type Of Package 3	P06
Number Of Units In Package 3	160

Package 3 Height	45.000 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	88.500 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	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Circularity Profile	No need of specific recycling operations
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>