



# THE DATASHEET OF XB5AG21



# Product data sheet

Specifications



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

XCSA501

! Discontinued

### 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 mm <sup>2</sup> 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

<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 = 5000000 value given for a life time of 20 years limited by mechanical or contact wear
<b>Body material</b>	Zamak
<b>Head material</b>	Zamak
<b>Depth</b>	44 mm
<b>Height</b>	114 mm
<b>Width</b>	40 mm
<b>Product weight</b>	0.44 kg

## Environment

<b>Standards</b>	IEC 60204-1 EN 1088/ISO 14119 IEC 60947-5-1 CSA C22.2 No 14 ISO 12100 UL 508
<b>Product certifications</b>	UL CSA
<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>	5 gn (f= 10...500 Hz) conforming to IEC 60068-2-6
<b>Shock resistance</b>	10 gn for 11 ms conforming to IEC 60068-2-27
<b>Electrical shock protection class</b>	Class I conforming to IEC 61140
<b>IP degree of protection</b>	IP67 conforming to EN/IEC 60529 and EN/IEC 60947-5-1

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	7.000 cm
<b>Package 1 Width</b>	12.500 cm
<b>Package 1 Length</b>	4.300 cm
<b>Package 1 Weight</b>	500.000 g
<b>Unit Type of Package 2</b>	S01
<b>Number of Units in Package 2</b>	10
<b>Package 2 Height</b>	15.000 cm
<b>Package 2 Width</b>	15.000 cm
<b>Package 2 Length</b>	40.000 cm
<b>Package 2 Weight</b>	5.230 kg
<b>Unit Type of Package 3</b>	P06
<b>Number of Units in Package 3</b>	160

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Package 3 Height	45.000 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	88.500 kg

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## Contractual warranty

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Warranty (in months)	18
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## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Use Better

#### Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
SCIP Number	251e1fbb-7d72-4d7a-895e-6558f40ede52
EU RoHS Directive	<a href="#">Compliant By Exemption</a>
California proposition 65	<b>WARNING:</b> 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>

### Use Longer

#### Lifetime extension

Repair	No
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### Use Again

#### Repack and remanufacture

End of life manual availability	No need of specific recycling operations
Take-back	No

Image of product / Alternate images

Alternative

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## Looking for pricing, stock, or lifecycle information?

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## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management