

# Product data sheet

Specifications



Safety switch, Telemecanique  
Safety switches XCS, metal XCSE,  
3 NC, slow break, 2 entries tapped  
Pg 13, 24 V

XCSE8311

## Main

Range Of Product	Telemecanique Safety switches XCS
Product Or Component Type	Safety switch
Component Name	XCSE
Design	Rectangular
Material	Metal
Head Type	Key operated turret head
Contacts Type And Composition	3 NC
Contact Operation	Slow-break, simultaneous
Solenoid Contacts Type And Composition	1 NC + 1 NO (slow-break, simultaneous)
Cable Entry	2 entries tapped for Pg 13.5
Electromagnet Interlocking	Locking on de-energisation and unlocking on energisation of solenoid
[Us] Solenoid Rated Supply Voltage	24 V - 20...10 %
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	With interlocking, locking by solenoid
Local Signalling	1 LED (green) for guard closed and locked
Signalling Circuit Voltage	24/48 V (voltage limits: 20...52 V)

## Complementary

Positive Opening	With NC contact
Supply Voltage Type	AC/DC
Supply Frequency	50/60 Hz
Load Factor	1
Power Consumption In Va	10 VA inrush 10 VA sealed
Signalling Circuit Type	AC/DC
Signalling Circuit Consumption	7 mA
Mechanical Durability	1000000 cycles
Minimum Actuation Speed	0.01 m/s
Maximum Actuation Speed	0.5 m/s

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

[Ie] Rated Operational Current	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 3 A at 120 V, AC-15, B300 conforming to IEC 60947-5-1 1.5 A at 240 V, AC-15, B300 conforming to IEC 60947-5-1
[Ithe] Conventional Enclosed Thermal Current	6 A
[Ui] Rated Insulation Voltage	50 V conforming to IEC 60947-1 for signalling circuit
[Uimp] Rated Impulse Withstand Voltage	6 kV conforming to IEC 60947-5-1
Protection Type	Overvoltage protection for signalling circuit
Short-Circuit Protection	10 A cartridge fuse type gG (gl)
Actuator Forcible Withdrawal Rtc	2000 N
Minimum Actuator Force For Extraction	20 N
Maximum Operating Rate	10 cyc/mn for maximum durability
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	146 mm
Width	98 mm
Net Weight	1.14 kg

## Environment

Standards	IEC 60204-1 IEC 60947-5-1 CSA C22.2 No 14 ISO 12100 UL 508 EN 1088/ISO 14119
Product Certifications	UL CSA
Protective Treatment	TC
Ambient Air Temperature For Operation	-25...40 °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	5.600 cm

Package 1 Width	11.000 cm
Package 1 Length	15.200 cm
Package 1 Weight	1.316 kg
Unit Type Of Package 2	S01
Number Of Units In Package 2	4
Package 2 Height	15.000 cm
Package 2 Width	15.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	5.546 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)