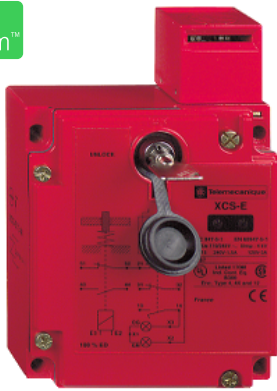


# Product datasheet

Specifications



metal safety switch XCSE - 3 NC -  
slow break - 2 entries tapped M20 -  
24 V

XCSE8312

EAN Code : 3389110719598

## 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 M20 x 1.5
Electromagnet interlocking	Locking on de-energisation and unlocking on energisation of solenoid
[Us] Solenoid Rated Supply voltage	24 V - 20...10 %
Cable outer diameter	7...13 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	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

<b>Mechanical durability</b>	1000000 cycles
<b>Minimum actuation speed</b>	0.01 m/s
<b>Maximum actuation speed</b>	0.5 m/s
<b>[Ie] rated operational current</b>	0.55 A at 125 V, DC-13, Q300 conforming to EN/IEC 60947-5-1 0.27 A at 250 V, DC-13, Q300 conforming to EN/IEC 60947-5-1 3 A at 120 V, AC-15, B300 conforming to EN/IEC 60947-5-1 1.5 A at 240 V, AC-15, B300 conforming to EN/IEC 60947-5-1
<b>[Ithe] conventional enclosed thermal current</b>	6 A
<b>[Ui] rated insulation voltage</b>	50 V conforming to EN/IEC 60947-1 for signalling circuit
<b>[Uimp] rated impulse withstand voltage</b>	6 kV conforming to EN/IEC 60947-5-1
<b>Protection type</b>	Overvoltage protection for signalling circuit
<b>Short-circuit protection</b>	10 A cartridge fuse type gG (gl)
<b>Actuator forcible withdrawal rtc</b>	2000 N
<b>Minimum actuator force for extraction</b>	20 N
<b>Maximum operating rate</b>	10 cyc/mn for maximum durability
<b>Safety level</b>	Can reach category 4 with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1 Can reach PL = e with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1 Can reach SIL 3 with the appropriate monitoring system and correctly wired conforming to EN/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>	146 mm
<b>Width</b>	98 mm
<b>Net weight</b>	1.14 kg

## Environment

<b>Standards</b>	UL 508 CSA C22.2 No 14 EN/IEC 60204-1 EN/ISO 12100 EN 1088/ISO 14119 EN/IEC 60947-5-1
<b>Product certifications</b>	UL CSA
<b>Protective treatment</b>	TC
<b>Ambient air temperature for operation</b>	-25...40 °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 EN/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>	Db
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Number of Units in Package 1	1
Package 1 Height	5.5 cm
Package 1 Width	15.2 cm
Package 1 Length	11.2 cm
Package 1 Weight	1.29 kg
Unit Type of Package 2	P06
Number of Units in Package 2	64
Package 2 Height	45 cm
Package 2 Width	80 cm
Package 2 Length	60 cm
Package 2 Weight	94.66 kg
Unit Type of Package 3	S01
Number of Units in Package 3	4
Package 3 Height	15 cm
Package 3 Width	15 cm
Package 3 Length	40 cm
Package 3 Weight	5.432 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>

## Contractual warranty

Warranty	18 months
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## Recommended replacement(s)

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