

# Product data sheet

Specifications



## Safety switch, Telemecanique Safety switches XCS, plastic XCSLE, 2NC+2 NO, slow break, 3 entries tapped M20, 24 V

XCSLE2525512

### Main

Range of product	Telemecanique Safety switches XCS
Product or component type	Safety switch
Component name	XCSLE
Design	Slim
Material	Plastic
Head type	Key operated turret head
Contacts type and composition	1 NC + 1 NO
Contact operation	Slow-break, break before make
Solenoid contacts type and composition	1 NC + 1 NO (slow-break, break before make)
Cable entry	3 entries tapped for M20 x 1.5
Electromagnet interlocking	Locking on energisation and unlocking on de-energisation of solenoid
[Us] Solenoid Rated Supply voltage	24 V - 15...10 %
Cable outer diameter	7...13 mm
Electrical connection	Spring terminal, clamping capacity: 1 x 1.5 mm <sup>2</sup> flexible or solid cable Spring terminal, clamping capacity: 2 x 0.5 mm <sup>2</sup> flexible cables with 13 mm bared ends
Number of poles	2
Locking options description	With interlocking, locking by solenoid
Local signalling	1 LED (orange) for actuator withdrawn 1 LED (green) for actuator inserted and locked
Signalling circuit voltage	24 V

### Complementary

Insulation	Double insulated
Positive opening	With NC contact
Supply voltage type	AC/DC
Supply frequency	50/60 Hz
Load factor	1
Signalling circuit type	AC/DC
Mechanical durability	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 24 V, DC-13, R300 conforming to EN/IEC 60947-5-1 0.75 A at 240 V, AC-15, C300 conforming to EN/IEC 60947-5-1
<b>[Ithe] conventional enclosed thermal current</b>	4 A
<b>Maximum load current</b>	<= 15 A
<b>[Ui] rated insulation voltage</b>	300 V conforming to UL 508 300 V conforming to CSA C22.2 No 14 250 V (pollution degree 3) conforming to EN/IEC 60947-1
<b>[Uimp] rated impulse withstand voltage</b>	4 kV conforming to EN/IEC 60947-5-1
<b>Minimum switching current</b>	10 mA at 20 °C
<b>Minimum switching voltage</b>	17 V
<b>Short-circuit protection</b>	4 A cartridge fuse type gG (gl) 6 A type fast blow
<b>Maximum actuator forcible withdrawal rtc</b>	1400 N
<b>Minimum actuator force for extraction</b>	20 N
<b>Resistance to mechanical impact</b>	1.2 J against the partition 4.9 J without partition
<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 conforming to EN/IEC 61508
<b>Safety reliability data</b>	B10d = 5500000 value given for a life time of 20 years limited by mechanical or contact wear
<b>Body material</b>	PA (polyamide)
<b>Head material</b>	PA (polyamide)
<b>Depth</b>	51 mm
<b>Height</b>	205 mm
<b>Width</b>	44 mm
<b>Net weight</b>	0.53 kg

## Environment

<b>Standards</b>	EN 1088/ISO 14119 EN/ISO 13849-1 EN/IEC 60204-1 UL 508 CSA C22.2 No 14 EN/IEC 62061 EN/IEC 60947-5-1
<b>Product certifications</b>	CSA UL TÜV
<b>Protective treatment</b>	TC
<b>Ambient air temperature for operation</b>	-25...60 °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 II conforming to EN/IEC 61140

<b>IP degree of protection</b>	IP66 conforming to EN/IEC 60529 and EN/IEC 60947-5-1 IP67
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## Packing Units

<b>Unit Type of Package 1</b>	Db
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	5.7 cm
<b>Package 1 Width</b>	7.5 cm
<b>Package 1 Length</b>	23.0 cm
<b>Package 1 Weight</b>	630.0 g
<b>Unit Type of Package 2</b>	PAL
<b>Number of Units in Package 2</b>	128
<b>Package 2 Height</b>	60.0 cm
<b>Package 2 Width</b>	80.0 cm
<b>Package 2 Length</b>	128.0 cm
<b>Package 2 Weight</b>	100.8 kg
<b>Unit Type of Package 3</b>	S02
<b>Number of Units in Package 3</b>	8
<b>Package 3 Height</b>	15.0 cm
<b>Package 3 Width</b>	30.0 cm
<b>Package 3 Length</b>	40.0 cm
<b>Package 3 Weight</b>	5.678 kg

## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>EU RoHS Directive</b>	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>RoHS exemption information</b>	<a href="#">Yes</a>
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>
<b>California proposition 65</b>	WARNING: 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>

## Contractual warranty

<b>Warranty</b>	18 months
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## Recommended replacement(s)