Product data sheet
Characteristics

XCSE7512
metal safety switch XCSE - 2NC + 1NO- slow break- 2entries tapped M20- 24V



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	2 NC + 1 NO
Contact operation	Slow-break, break before make
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 energisation and unlocking on de-energisation of solenoid
[Us] 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 mm² with or without cable end
Number of poles	3
Locking options description	With interlocking, locking by solenoid
Local signalling	2 LEDs (green or orange) for guard open/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
[Ie] rated operational current	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
[Ithe] conventional enclosed thermal current	6 A

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

[Ui] rated insulation voltage	50 V conforming to EN/IEC 60947-1 for signalling circuit
[Uimp] rated impulse withstand voltage	6 KV EN/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 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
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	EN 1088/ISO 14119 UL 508 EN/ISO 12100 CSA C22.2 No 14 EN/IEC 60947-5-1 EN/IEC 60204-1
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 EN/IEC 61140
IP degree of protection	IP67 conforming to EN/IEC 60529 and EN/IEC 60947-5-1

Packing Units

Package 1 Weight	1.283 Kg
Package 1 Height	0.550 Dm
Package 1 width	1.100 Dm
Package 1 Length	1.555 Dm

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

Contractual warranty

Warranty	18 months

Product Life Status :	Commercialised