

XCSB502EX

Safety switch, Telemecanique Safety switches XCS, metal key operated XCSA, NC + 2 NO slow break, ATEX/IECEX



Main

Range of Product	Telemecanique Safety switches XCS
Product or Component Type	Safety switch
Device short name	XCSB
Material	Metal
Head type	Key operated turret head
Cable entry number	1 tapped entry M20 x 1.5 cable gland (included) 0.28...0.51 in (7...13 mm)
Electrical Connection	Terminal
Clamping Connection Capacity	1 x 0.5...2 x 1.5 mm ² with or without cable end
Number of poles	3
Contacts type and composition	1 NC + 2 NO
Contact operation	Slow-break, break before make
Positive opening	With NC contact
Locking options description	With locking of actuator, unlocking by push-button

Complementary

Local signalling	without
Mechanical durability	600000 cycles
Minimum actuation speed	0.03 ft/s (0.01 m/s)
Maximum actuation speed	1.64 ft/s (0.5 m/s)
Contact code designation	A300, AC-15 (Ue = 120 V, Ie = 6 A)EN/IEC 60947-5-1 A300, AC-15 (Ue = 240 V, Ie = 3 A)EN/IEC 60947-5-1 Q300, DC-13 (Ue = 125 V, Ie = 0.55 A)EN/IEC 60947-5-1 Q300, DC-13 (Ue = 250 V, Ie = 0.27 A)EN/IEC 60947-5-1
[Ithe] conventional enclosed thermal current	10 A
[Ui] rated insulation voltage	300 VUL 508 500 VEN/IEC 60947-1 300 VCSA C22.2 No 14
[Uimp] rated impulse withstand voltage	6 kV EN/IEC 60947-5-1
Short-circuit protection	10 A cartridge fuse gG (gl)
Actuator forcible withdrawal rtc	1500 N
Minimum actuator force for extraction	20 N
Maximum operating rate	10 cyc/mn for maximum durability
Body Material	Zamak
Head material	Zamak
CAD overall width	2.05 in (52 mm)
CAD overall height	4.49 in (114 mm)
CAD overall depth	1.73 in (44 mm)
Net Weight	1.05 lb(US) (0.475 kg)

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.

Environment

Safety level	Can reach category 4 with the appropriate monitoring system and correctly wired EN/ISO 13849-1 Can reach PL = e with the appropriate monitoring system and correctly wired EN/ISO 13849-1 Can reach SIL 3 with the appropriate monitoring system and correctly wired IEC 61508
Safety reliability data	B10d = 5000000 value given for a life time of 20 years limited by mechanical or contact wear
Protective treatment	TC
Ambient Air Temperature for Operation	-13...158 °F (-25...70 °C)
Ambient Air Temperature for Storage	-40...158 °F (-40...70 °C)
Vibration resistance	5 gn 10...500 Hz)IEC 60068-2-6
Shock resistance	10 gn 11 ms IEC 60068-2-27
Electrical shock protection class	Class I EN/IEC 60536
IP degree of protection	IP67 conforming to EN/IEC 60529 and EN/IEC 60947-5-1
Marking	II2 D-Ex tb IIIC T85°C Db IP67
Dust zone	Zone 21 - 22
Product Certifications	IEC-Ex INE 17.0020X INERIS 04ATEX0014X
Standards	EN/IEC 60079-31 EN/IEC 60079-0
Directives	2014/34/EU - ATEX directive

Ordering and shipping details

Category	22411-LIMIT SWITCHES,IEC,XCKJ
Discount Schedule	T
GTIN	3389119035859
Nbr. of units in pkg.	1
Package weight(Lbs)	17.92 oz (508.0 g)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	3.46 in (8.8 cm)
Package 1 width	3.35 in (8.5 cm)
Package 1 Length	5.98 in (15.2 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
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 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 www.P65Warnings.ca.gov
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

Contractual warranty

Warranty	18 months
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