

# XCSB502EX

metal key operated switch XCSA - 1NC+2NO - slow  
BBM - M20 - ATEX



## Main

Range of product	Preventa ATEX D
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) for cable gland (included), cable outer diameter: 7...13 mm
Electrical connection	Terminal
Clamping connection capacity	1 x 0.5...2 x 1.5 mm <sup>2</sup> with or without cable end
Number of poles	3
Contacts type and composition	1 NC + 2 NO
Contacts operation	Slow-break, break before make
Positive opening	With NC contact
Locking options description	With locking of actuator, unlocking by pushbutton

## Complementary

Local signalling	Without
Mechanical durability	600000 cycles
Minimum actuation speed	0.01 m/s
Maximum actuation speed	0.5 m/s
Contact code designation	A300, AC-15 (120 V, I <sub>e</sub> = 6 A) conforming to EN/IEC 60947-5-1 A300, AC-15 (240 V, I <sub>e</sub> = 3 A) conforming to EN/IEC 60947-5-1 Q300, DC-13 (125 V, I <sub>e</sub> = 0.55 A) conforming to EN/IEC 60947-5-1 Q300, DC-13 (250 V, I <sub>e</sub> = 0.27 A) conforming to EN/IEC 60947-5-1
[I <sub>th</sub> e] conventional enclosed thermal current	10 A
[U <sub>i</sub> ] rated insulation voltage	500 V conforming to EN/IEC 60947-1 300 V conforming to UL 508 300 V conforming to CSA C22.2 No 14
[U <sub>imp</sub> ] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-5-1
Short circuit protection	10 A cartridge fuse, gG (gl)
Actuator forcible withdrawal r <sub>tc</sub>	1500 N
Actuator force for extraction	>= 20 N
Operating rate	10 cyc/mn for maximum durability
Body material	Zamak
Head material	Zamak
CAD overall width	52 mm
CAD overall height	114 mm
CAD overall depth	44 mm
Product weight	0.475 kg

## Environment

Safety level	Can reach category 4 conforming to EN/ISO 13849-1 with the appropriate monitoring system and correctly wired Can reach PL = e conforming to EN/ISO 13849-1 with the appropriate monitoring system and correctly wired Can reach SIL 3 conforming to IEC 61508 with the appropriate monitoring system and correctly wired
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	-25...70 °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
Class of protection against electric shock	Class I conforming to 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	CSA INERIS 04ATEX0014X UL
Standards	Directive ATEX 94/9/EC EN/IEC 60079-0 EN/IEC 60079-31

### Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 1014 - Schneider Electric declaration of conformity
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations