

Product Datasheet

Characteristic

XCSB703

metal safety switch XCSB - 2 NC + 1 NO
- slow break - 1 entry tapped 1/2" NPT



Main

range of product	Preventa Safety detection
product or component type	Safety switch
component name	XCSB
design	Industrial
material	Metal
head type	Key operated turret head
contacts type and composition	2 NC + 1 NO
contact operation	Slow-break, break before make
cable entry	1 entry tapped 1/2" NPT
electrical connection	Terminal 1 x 0.5...2 x 1.5 mm ² with or without cable end
number of poles	3
locking options description	With locking of actuator, unlocking by push-button
local signalling	without

Complementary

positive opening	With NC contact
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)
[Ie] rated operational current	6 A 120 V, AC-15, A300 EN/IEC 60947-5-1 3 A 240 V, AC-15, A300 EN/IEC 60947-5-1 0.55 A 125 V, DC-13, Q300 EN/IEC 60947-5-1 0.27 A 250 V, DC-13, Q300 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	EN/IEC 60947-5-1 6 kV
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

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 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	1.73 in (44 mm)
height	4.49 in (114 mm)
width	2.05 in (52 mm)
net weight	1.05 lb(US) (0.475 kg)

Environment

standards	EN/IEC 60947-5-1 CSA C22.2 No 14 EN 1088/ISO 14119 EN/ISO 12100 UL 508 EN/IEC 60204-1
product certifications	UL CSA
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 61140
IP degree of protection	IP67 EN/IEC 60529 and EN/IEC 60947-5-1

Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	ENVPEP110614EN
Circularity Profile	N/A