Product data sheet
Characteristics

XCSD3919P20
safety limit switch - metal - rotary lever - 2NC +1NO - 1 entry tapped M20 x 1.5



Main

Commercial Status	Commercialised
Range of product	Preventa Safety detection
Product or component type	Safety limit switch
Component name	XCSD
Design	Compact
Material	Metal
Head type	Rotary head
Protection technology	Plastic protective cover, secured by 5-lobe socket head safety screw
Type of operator	Steel roller lever
Contacts type and composition	1 NC + 1 NC + 1 NO
Contacts operation	Snap action
Cable entry	1 entry tapped M20 x 1.5

Complementary

Electrical connection	Terminal
Clamping connection capacity	1 x 0.34...2 x 0.75 mm²
Switch actuation	By 30° cam
Number of poles	3
Positive opening	With NC contact
Mechanical durability	10000000 cycles
Minimum torque for tripping	0.1 N.m
Positive opening minimum torque	0.25 N.m
Maximum actuation speed	1.5 m/s
Contact code designation	R300, DC-13 (Ue = 250 V, Ie = 0.1 A) conforming to EN/IEC 60947-5-1 appendix A B300, AC-15 (Ue = 240 V, Ie = 1.5 A) conforming to EN/IEC 60947-5-1 appendix A
[Ithe] conventional enclosed thermal current	6 A
[Ui] rated insulation voltage	300 V conforming to CSA C22.2 No 14 400 V (degree of pollution: 3) conforming to EN/IEC 60947-1 300 V conforming to UL 508
[Uimp] rated impulse withstand voltage	4 kV conforming to IEC 60664 4 kV conforming to EN/IEC 60947-1
Resistance across terminals	<= 25 MOhm conforming to IEC 60255-7 category 3
Short circuit protection	6 A cartridge fuse type gG (gl)
Repeat accuracy	0.1 mm on tripping points, 1 million operating cycles for head with end plunger
Body material	Zamak
Head material	Zamak
Enclosure material	Plastic
Depth	35 mm
Height	122 mm
Width	34 mm
Product weight	0.22 kg

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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.
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Environment

Standards	EN 1088/ISO 14119 EN/IEC 60204-1 EN/IEC 60947-5-1 UL 508 CSA C22.2 No 14
Product certifications	CSA UL
Safety level	Can reach SIL 3 with the appropriate monitoring system and correctly wired conforming to IEC 61508 Can reach PL = e with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1 Can reach category 4 with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1
Safety reliability data	B10d = 50000000 (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	25 gn (f = 10...500 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27
Class of protection against electric shock	Class I conforming to NF C 20-030 Class I conforming to IEC 6140
IP degree of protection	IP67 conforming to IEC 60529 IP66 conforming to IEC 60529
IK degree of protection	IK06 conforming to EN 50102

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 1037 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Need no specific recycling operations