Product datasheet
Characteristics

XCSD3710P20

Main

Range of product	Preventa Safety detection
Product or component type	Safety limit switch
Component name	XCSD
Design	Compact
Material	Metal
Head type	Plunger head
Protection technology	Plastic protective cover, secured by 5-lobe socket head safety screw
Type of approach	On end approach
Type of operator	Metal end plunger
Contacts type and composition	1 NC + 1 NC + 1 NO
Contact operation	Slow-break, break before make
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
Number of poles	3
Positive opening	With NC contact
Mechanical durability	15000000 cycles
Minimum force for tripping	15 N
Positive opening minimum force	45 N
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	B300, AC-15 (Ue = 240 V, Ie = 1.5 A) conforming to EN/IEC 60947-5-1 appendix A R300, DC-13 (Ue = 250 V, Ie = 0.1 A) conforming to EN/IEC 60947-5-1 appendix A
[Ithe] conventional enclosed thermal current	6 A
[Ui] rated insulation voltage	400 V (degree of pollution: 3) conforming to EN/IEC 60947-1 300 V conforming to UL 508 300 V conforming to CSA C22.2 No 14
[Uimp] rated impulse withstand voltage	4 kV conforming to EN/IEC 60947-1 4 kV conforming to IEC 60664
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	1.38 in (35 mm)
Height	3.5 in (89 mm)
Width	1.34 in (34 mm)
Product weight	0.47 lb(US) (0.215 kg)

Environment

standards	EN 1088/ISO 14119 EN/IEC 60204-1 EN/IEC 60947-5-1 UL 508 CSA C22.2 No 14

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.
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product certifications	CSA UL
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 IEC 61508
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	-13...158 °F (-25...70 °C)
ambient air temperature for storage	-40...158 °F (-40...70 °C)
vibration resistance	25 gn (f = 10...500 Hz) conforming to IEC 60068-2-6
shock resistance	50 gn 11 ms conforming to IEC 60068-2-27
electrical shock protection class	Class I conforming to EN/IEC 61140 Class I conforming to NF C 20-030
IP degree of protection	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529
IK degree of protection	IK06 conforming to EN 50102

Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 1037 - Schneider Electric declaration of conformity	Compliant - since 1037 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Need no specific recycling operations	Need no specific recycling operations
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	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.	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	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months

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