

XCSDMP590L01M12

Coded magnetic switch, Telemecanique
Safety switches XCS, XCSDMP, 1 NC + 1 NO,
staggered, M12 0.15 m

Main

Range of Product	Telemecanique Safety switches XCS
Product or Component Type	Coded magnetic switch
Component name	XCSDMP
Design	Rectangular, standard
Size	88 x 25 x 13 mm
Contacts type and composition	1 NC + 1 NO
Contact operation	Staggered
Material	Plastic
Electrical Connection	Connector on flying lead
Connector Type	M12
Cable length	0.49 ft (0.15 m)
Number of poles	2
Approach directions	3 directions
[Ue] rated operational voltage	24 V DC
[Ui] rated insulation voltage	100 V DC

Complementary

[Sa] assured operating distance	0.3 in (8 mm)
[Sar] assured tripping distance	0.8 in (20 mm)
Maximum [Ie] rated operational current	100 mA
[Uimp] rated impulse withstand voltage	2.5 kV IEC 60947-5-1
Resistance across terminals	10 Ohm
Short-circuit protection	500 mA external cartridge fuse gG (gl)
Contacts material	Rhodium
Electrical durability	1200000 cycles
Maximum switching voltage	100 V DC
Switching capacity in mA	0.1...100 mA
Insulation resistance	1000 MOhm
Breaking capacity	10 VA
Switching frequency	150 Hz
Safety level	Can reach category 4 with the appropriate monitoring system and correctly wired ISO 13849-1 Can reach PL = e with the appropriate monitoring system and correctly wired ISO 13849-1 Can reach SIL 3 with the appropriate monitoring system and correctly wired IEC 61508
Safety reliability data	B10d = 50000000 value given for a life time of 20 years limited by mechanical or contact wear
Enclosure Material	Thermoplastic PBT
Cable material	PVC
Depth	0.5 in (13 mm)
Height	3.5 in (88 mm)
Width	1.0 in (25 mm)
Net Weight	0.40 lb(US) (0.18 kg)

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Environment

Standards	ISO 12100 IEC 60204-1 IEC 60947-5-1 CSA C22.2 No 14 ISO 14119 UL 508
Product Certifications	CSA[RETURN]UL
Protective treatment	TH
Ambient Air Temperature for Operation	-13.0000000000...185.0000000000 °F (-25...85 °C)
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)
Vibration resistance	10 gn 10...150 Hz)IEC 60068-2-6
Shock resistance	30 gn 11 ms IEC 60068-2-27
Maximum sensitivity to magnetic fields	0.3 mT
Electrical shock protection class	Class II IEC 61140
IP degree of protection	IP67 conforming to IEC 60529

Ordering and shipping details

Category	US1000T22411
Discount Schedule	000T
GTIN	3389119012386
Returnability	Yes
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.969 in (5.000 cm)
Package 1 Width	4.331 in (11.000 cm)
Package 1 Length	4.921 in (12.500 cm)
Package 1 Weight	4.021 oz (114.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	40
Package 2 Height	5.9 in (15 cm)
Package 2 Width	11.8 in (30 cm)
Package 2 Length	15.7 in (40 cm)
Package 2 Weight	10.787 lb(US) (4.893 kg)

Offer Sustainability

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
Toxic heavy metal free	Yes
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months
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