



Main

Range of product	Telemecanique Safety switches XCS
Product or component type	Coded magnetic switch
Component name	XCS DMP
Design	Rectangular, standard
Size	88 x 25 x 13 mm
Contacts type and composition	1 NC + 2 NO
Contact operation	1 NO staggered
Material	Plastic
Electrical connection	Pre-cabled
Cable composition	6 x 0.25 mm ²
Cable length	16.40 ft (5 m)
Number of poles	3
Local signalling	1 LED
Approach directions	3 directions
[U _e] rated operational voltage	24 V DC
[U _i] rated insulation voltage	100 V DC

Complementary

[S _a] assured operating distance	0.31 in (8 mm)
[S _{ar}] assured tripping distance	0.79 in (20 mm)
Maximum [I _e] rated operational current	100 mA
[U _{imp}] rated impulse withstand voltage	2.5 kV EN/IEC 60947-5-1
Resistance across terminals	57 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	5... 100 mA
Insulation resistance	1000 MOhm
Breaking capacity	3 VA

Disclaimer: 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

Switching frequency	150 Hz
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 conforming to EN/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	0.51 in (13 mm)
Height	3.46 in (88 mm)
Width	0.98 in (25 mm)
Net weight	0.40 lb(US) (0.18 kg)

Environment

Standards	CSA C22.2 No 14 EN/IEC 60947-5-1 EN/IEC 60204-1 EN/ISO 12100 ISO 14119 UL 508
Product certifications	UL CSA BG
Protective treatment	TH
Ambient air temperature for operation	-13...185 °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 EN/IEC 61140
IP degree of protection	IP66 IEC 60529 IP67 IEC 60529

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	12.20 oz (345.9 g)
Package 1 Height	1.57 in (4 cm)
Package 1 width	5.91 in (15 cm)
Package 1 Length	6.30 in (16 cm)
Unit Type of Package 2	BAG
Number of Units in Package 2	1
Package 2 Weight	12.20 oz (346 g)
Package 2 Height	1.57 in (4 cm)
Package 2 width	6.30 in (16 cm)
Package 2 Length	5.91 in (15 cm)
Unit Type of Package 3	S02
Number of Units in Package 3	14
Package 3 Weight	11.33 lb(US) (5.138 kg)
Package 3 Height	5.91 in (15 cm)
Package 3 width	11.81 in (30 cm)
Package 3 Length	15.75 in (40 cm)

Offer Sustainability

REACH Regulation	REACH Declaration
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REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes

Contractual warranty

Warranty	18 months
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