

Non Contact Safety Interlock Switches Preventa XCSDM/ C/ P for harsh washdowns and zero force applications



Non-contact safety interlock switches offers life-time benefits as those safety door switches are easy to mount and suitable for Harsh washdown. It provides a safety system up to category 4 when used with Preventa safety relays

Easier Installation and Set up

Coded-magnetic switches tolerate guard alignment issues: reducing downtime and damage to switch components, allowing some door misalignment or vibration. Small size and profile allow freedom of installation location: can be mounted virtually anywhere with three body styles and sizes to best fit the application. Pre-wired versions are available in different cable length to reduce installation time

High washdown feature and light weight solutions

No openings to trap contaminants, especially ideal for food & beverage or chemicals applications. With no operating force it eliminates possible damage to guard due to interlocking issues while it is lightweight solution reducing stress and damage to clear acrylic doors.

XCSDM Coded magnetic system, unique standalone safety system

XCSDM3, XCSDM4 safety coded-magnetic switches include coded magnetic and safety module. That solution makes redundant the use of a safety controller, helping reducing CAPEX and OPEX for machines and processes. XCSDM tolerates direction of key can be horizontal, vertical, or swinging approach and alignment issues (Face to face, Side to side, Face to side, Back to back).

Preventa XCS coded magnetic switches for detection without contact			
Protection of operators by stopping the machine when the gate is opened All light industrial machines fitted with access gates with imprecise guidance and/or subjected to frequent washing			
Miniature rectangular format	Compact rectangular format	Cylindrical format	Coded magnetic systems with dedicated transmitter
Plastic, pre-cabled or M8 connector on flying lead	Plastic, pre-cabled or M12 connector on flying lead	Plastic, pre-cabled or M12 connector on flying lead	Plastic, pre-cabled or M12 connector



Plastic			Plastic
3 approach directions		1 approach direction	9 approach directions
EN/IEC 60947-5-1, EN/ISO 13849-1, EN/IEC 62061, UL 508 and CSA C22-2 n° 14			EN/IEC 61508 (SIL 2 or SIL 3), EN/ISO 13849-1 (PL = d or e, cat 3 or 4), EN/IEC 60947-1, EN/IEC 60947-2, EN/IEC 60947-5-3, EN/ISO 13849-1, EN/IEC 62061
EN/IEC 60204-1, EN/ISO 14119			EN/ISO 14119
UL, CSA BG combined with safety modules XPS AF, XPS DM, XPS MP			UL, CSA, TÜV
16 x 51 x 7	25 x 88 x 13	Ø 30, L 38.5	34 x 100 x 32
Centres: 16	Centres: 78	–	Centres: 82
–			–
Independent Reed type contacts operated by coded magnet. Contacts change state from a distance of 8 mm (5 mm for XCS DMC). Must be used with Preventa safety modules.			Self-contained system not requiring the use of a safety module or non-magnetic shim.
1 NC + 1 NO staggered 2 NO staggered	1 NC + 1 NO staggered 2 NO staggered 2 NC + 1 NO (NC staggered) 1 NC + 2 NO (NO staggered)	1 NC + 1 NO staggered 2 NO staggered	2 PNP solid-state outputs XCS DM4: EDM function + 1 alarm output
IP 66 and IP 67 for pre-cabled version IP 67 for connector on flying lead version			Pre-cabled version: IP 66, IP 67 and IP 69K Connector version: IP 67
-25...+85 °C			-25...+70 °C
–			–
L = 2, 5 or 10 m	L = 2, 5 or 10 m	L = 2, 5 or 10 m	L = 2, 5 or 10 m
M8, on 0.15 m flying lead	M12, on 0.15 m flying lead	M12, on 0.15 m flying lead	M12 (A coding)
XCS DMC	XCS DMP	XCS DMR	XCS DM3, XCS DM4
70			80

XCS DMC/DMP/DMR



Contact*	Body Size	Connection	References
2-pole 1 NC + 1 NO (staggered)	Compact 51 x 16 x 7	2m Cable	XCSDMC5902
2-pole 1 NO + 1 NO (staggered)	Compact 51 x 16 x 7	2m Cable	XCSDMC7902
2-pole 1NC + 1NO(staggered)	Compact 51 x 16 x 7	2m Cable	XCSDMC5912
2-pole 1NO + 1NO (staggered)	Compact 51 x 16 x 7	2m Cable	XCSDMC7912
2-pole 1 NC + 1 NO (staggered)	Standard 88 x 25 x13	2m Cable	XCSDMP5902
2-pole 1 NO + 1 NO (staggered)	Standard 88 x 25 x13	2m Cable	XCSDMP7902
3-pole 1NC + 1NC + 1NO (staggered)	Standard 88 x 25 x13	2m Cable	XCSDMP5002
3-pole 1NC + 1NO + 1NO (staggered)	Standard 88 x 25 x13	2m Cable	XCSDMP7002
2-pole 1 NC + 1 NO (staggered)	Standard 88 x 25 x13	2m Cable	XCSDMP5912
3-pole 1NC + 1NC + 1NO (staggered)	Standard 88 x 25 x13	2m Cable	XCSDMP5012
3-pole 1NC + 1NO + 1NO (staggered)	Standard 88 x 25 x13	2m Cable	XCSDMP7012
2-pole 1 NC + 1 NO (staggered)	Cylindrical D=30, L= 38.5	2m Cable	XCSDMR5902
2-pole 1 NO + 1 NO (staggered)	Cylindrical D=30, L= 38.5	2m Cable	XCSDMR7902
2-pole 1 NC + 1 NO (staggered)	Cylindrical D=30, L= 38.5	2m Cable	XCSDMR5912
2-pole 1 NO + 1 NO (staggered)	Cylindrical D=30, L= 38.5	2m Cable	XCSDMR7912
2-pole 1 NC + 1 NO (staggered)	Compact 51 x 16 x 7	M8 Connector	XCSDMC590L01M8
2-pole 1 NO + 1 NO (staggered)	Compact 51 x 16 x 7	M8 Connector	XCSDMC790L01M8
2-pole 1 NC + 1 NO (staggered)	Compact 51 x 16 x 7	M8 Connector	XCSDMC591L01M8
2-pole 1 NO + 1 NO (staggered)	Compact 51 x 16 x 7	M8 Connector	XCSDMC791L01M8
2-pole 1 NC + 1 NO (staggered)	Standard 88 x 25 x13	M12 Connector	XCSDMP590L01M12
2-pole 1 NO + 1 NO (staggered)	Standard 88 x 25 x13	M12 Connector	XCSDMP790L01M12
3-pole 1NC + 1NC + 1NO (staggered)	Standard 88 x 25 x13	M12 Connector	XCSDMP500L01M12
3-pole 1NC + 1NO + 1NO (staggered)	Standard 88 x 25 x13	M12 Connector	XCSDMP700L01M12
2-pole 1 NC + 1 NO (staggered)	Standard 88 x 25 x13	M12 Connector	XCSDMP591L01M12
2-pole 1 NO + 1 NO (staggered)	Standard 88 x 25 x13	M12 Connector	XCSDMP791L01M12
3-pole 1NC + 1NC + 1NO (staggered)	Standard 88 x 25 x13	M12 Connector	XCSDMP501L01M12
3-pole 1NC + 1NO + 1NO (staggered)	Standard 88 x 25 x13	M12 Connector	XCSDMP701L01M12
2-pole 1 NC + 1 NO (staggered)	Cylindrical D=30, L= 38.5	M12 Connector	XCSDMR590L01M12
2-pole 1 NO + 1 NO (staggered)	Cylindrical D=30, L= 38.5	M12 Connector	XCSDMR790L01M12
2-pole 1 NC + 1 NO (staggered)	Cylindrical D=30, L= 38.5	M12 Connector	XCSDMR591L01M12
2-pole 1 NO + 1 NO (staggered)	Cylindrical D=30, L= 38.5	M12 Connector	XCSDMR791L01M12



Customer care contact:-PAID Tel.: 0124 4222040 | MTNL BSNL Toll Free : 1800-180-1707 |

Airtel Toll free : 18001030011 |

E-mail : in-care@in.schneider-electric.com or heena.bajaj@in.schneider-electric.com

Website:- <http://www.schneider-electric.com>