



XCSR10M12

Miniature Safety RFID switch, unique pairing, single model, 5-pin, M12 connector

COMMERCIALISED

Main

Range of product	Telemecanique Safety switches XCS
Product or component type	Preventa RFID safety switch
Component name	XCSR

Complementary

Design	Miniature
Size	Switch: 42 x 28.5 x 18 mm actuator: 42 x 28.5 x 18 mm
Material	Plastic
Electrical connection	1 male connector
Connector type	M12 male
Type of output stage	Solid-state, PNP
Safety outputs	2 NO
Local signalling	Green, yellow and red 1 multi-colour LED
[Ue] rated operational voltage	24 V DC (– 20...20 %) SELV or PELV conforming to IEC 60204-1
Protection type	Short-circuit protection
Switching capacity in mA	300 mA
Switching frequency	<= 0.5 Hz
Response time	<55 ms +12 ms per switch in daisy-chain (Risk time according to IEC 60947-5-3)
Tightening torque	0.8...1.2 N.m
Standards	IEC 60947-5-3 ISO 14119 IEC 60947-5-2
Product certifications	TÜV Ecolab
Marking	CE UKCA

Safety level	SIL 3 conforming to IEC 61508 SILCL 3 conforming to IEC 62061 PL = e conforming to ISO 13849-1 category 4 conforming to ISO 13849-1
Safety reliability data	PFHd = 2.62E-9 1/h conforming to IEC 62061 PFHd = 2.62E-9 1/h conforming to ISO 13849-1
Vibration resistance	+/- 1 mm (f= 10-55Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn for 11ms conforming to IEC 60068-2-27
Electrical shock protection class	Class III conforming to IEC 61140
IP degree of protection	IP65 conforming to IEC 60529 IP67 conforming to IEC 60529

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. Neither TMSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Updated: 23/06/2025

