

Product data sheet

XCSRM13M12

Safety RFID switch XCSRM, unique pairing, Daisy-chain + EDM, 8-pin M12 connector

Main

Range of product	Telemecanique Safety switches XCS
Device Type	Advanced model, unique pairing
Product or component type	Preventa RFID safety switch
Component name	XCSRM
Design	Miniature
Sensor design	Miniature
ETIM classification	ETIM 9 - EC002593 - Position switch with guard locking
Connector type	M12 male
Material	Plastic
Enclosure material	Plastic
Approach directions	1 direction
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
[Sa] assured operating distance	10mm face to face
[Sar] assured tripping distance	25mm face to face
Product certifications	Ecolab TÜV
Marking	CE TÜV UKCA
Standards	IEC 60947-5-2 IEC 60947-5-3 ISO 14119
Indivisible sale quantity	1

Complementary

Electrical connection	1 male connector
[Ue] rated operational voltage	24 V DC (- 20...20 %) SELV or PELV conforming to IEC 60204-1
Maximum switching voltage	28,8V DC
[Uimp] rated impulse withstand voltage	1kV conforming to IEC 60947-5-2
Switching capacity in mA	300 mA

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.

[Ui] rated insulation voltage	300V DC
Electrical shock protection class	Class III conforming to IEC 61140
Response time	<55 ms +12 ms per switch in daisy-chain (Risk time according to IEC 60947-5-3)
Protection type	Short-circuit protection
Local signalling	Green, yellow and red 1 multi-colour LED
Safety outputs	2 NO
Type of output stage	Solid-state, PNP
Tightening torque	0.8...1.2 N.m
Switching frequency	<= 1 Hz
Size	Switch: 42 x 28.5 x 18 mm actuator: 42 x 28.5 x 18 mm

Environment

IP degree of protection	IP65 conforming to IEC 60529 IP67 conforming to IEC 60529
Ambient air temperature for operation	-25-70°C
Ambient air temperature for operation	-25...70 °C
Shock resistance	30 gn for 11ms conforming to IEC 60068-2-27
Vibration resistance	+/- 1 mm (f= 10-55Hz) conforming to IEC 60068-2-6

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. Fo more information go to www.P65Warnings.ca.gov

Warranty

Warranty	18 months

Packing Units

Country of origin	IT (Italy)
Unit type of package 1	PCE
Number of units in package 1	1
New Package 1 GTIN-13	3666916099797
Package 1 height	11 cm
Package 1 width	2 cm
Package 1 length	15 cm
Package 1 weight	0.067 kg
Unit type of package 2	S01
Number of units in package 2	14
New Package 2 GTIN 14	13666916099794
Package 2 height	15 cm

Package 2 width	15 cm
Package 2 length	40 cm
Package 2 weight	1.453 kg
New Package 3 GTIN 14	23666916099791