

Declaration of Compliance



TUV IT 25 MAC 497

Manufacturer	
Name	STEM S.r.l.
Address	Via della Meccanica, 2
ZIP Code	27010
City	Cura Carpignano (PV)
Country	Italy

Object	
Typology	Safety component
Designation	Coded RFID sensors
Model/type	N51xRF - N55xRF <input type="checkbox"/> Single sample <input checked="" type="checkbox"/> Group of samples
Serial number	-
Year	2025

Legislative Reference
2006/42/EC - Annex I and Annex II part 1A

Applicable Standard	
A Type Standard	
//	
B Type Standard	
EN ISO 13849-1:2023	EN ISO 13849-2:2012
EN ISO 14119:2025	EN 60947-5-3:2013
C Type Standard	
//	


Reference to the Technical Report
CTRoC-MAC-722385986

The product is not referred to Annex IV of the Directive 2006/42/EC

Issue date: 01/08/2025

Expiry date: 31/07/2028

Industrie Service Division Manager


Alberto Carelli
Signature

First issue date: 01/08/2025

Expiration date of the last certification cycle: N.A.



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Technical data

Refer to each family manual.

Reliability data

RELIABILITY PARAMETER		
MTTF	270	years
MTTFd	500	years
MT	20	years
Diagnostic coverage (DC)	Delegated to the control unit	
Activation time	< 10	ms
Risk time	Delegated to the control unit	

Family list

N5xxRF xxxxxxxxx

Esempio di codice d'ordine sensore / Sensor ordering code example

N51 0 RF G01 OL 0 196 P

Serie corpo N51, N55 Body series N51, N55	Colore Corpo 0=Rosso, 1=nero Body colour 0=Red, 1=black	Opzione RFID RFID option	Tipo di uscita G01=NO-NC, G02=NO-NO Output type G01=NO-NC, G02=NO-NO	Tipologia di cavo: OL = Cavo 8 poli, guaina esterna nera; Cable type: OL = 8 pole cable, external black	Caratteristiche speciali: 0 = Cavo con puntalini, x = Eventuali altre connessioni; Special Features: 0 = Cable with end-sleeves; x = Any other connection;
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Lunghezza cavo in "xxx" cm o cavo con connettore costampato "M12"
Length of cable in "xxx" cm or cable with connector "M12"

Riconoscimento attuatore
P=preprogrammato in fabbrica (alto livello di codifica), R=riprogrammabile (basso livello di codifica)
Actuator check
P=factory programmed (High coding level), R=Riprogrammabile (low level coding)

M1xxRx xxxxxxxx

Esempio di codice d'ordine attuatore / Actuator ordering code example


M14 0 R0 xxxxxxxx

Serie corpo M12, M14, M16 Body series M12, M14, M16	Colore Corpo 0=Rosso, 1=nero Body colour 0=Red, 1=black	R0= codifica univoca, R1= codifica comune a tutti gli attuatori R0= unique code, R1= same code for each actuator	Opzioni Future Future Options
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Validity Conditions

	<p>This technical document is only valid for the referenced company and its facilities stated on the document.</p> <p>The right to use the mark shown on the document only covers the products mentioned in this document.</p> <p>Each product must be accompanied by the necessary operating and assembly instructions. All products must clearly state the name of the manufacturer.</p> <p>In addition to the above conditions, this document of TÜV Italia shall apply the actual condition of the overall contract.</p> <p>The document is valid for all the time in which it can be considered applicable requirements of the state of art according to which the validation has been performed.</p> <p>The product take in exam in this technical document is not covered by Annex IV of 2006/42/EC Directive.</p>
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