

EU Declaration of Conformity

<i>Product:</i>	Inductive Proximity Sensors	
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<i>Name and address of the manufacturer:</i>	<i>Name and address of the authorised representative:</i>	
Rockwell Automation Inc.	Rockwell Automation NV	
1201 South 2nd Street	Pegasus Park	
Milwaukee, WI 53204	De Kleetlaan 12A	
U.S.A.	1831 Diegem	
	Belgium	

This declaration of conformity is issued under the sole responsibility of the manufacturer.

<i>Object of the declaration:</i>	Allen-Bradley 871TM Series	
	<i>(reference the attached list of catalogue numbers)</i>	

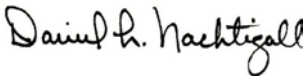
The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

2014/35/EU	Low Voltage Directive	(LVD)
2014/30/EU	EMC Directive	(EMC)
2011/65/EU	RoHS Directive	(RoHS)

References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared:

EN 60947-5-2:2007 + A1:2012	Low voltage switchgear and controlgear – Part 5-2: Control circuit devices and switching elements – Proximity switches	
EN 63000:2018	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances	

Signed for and on behalf of the above named manufacturer:

<i>Place and date of issue:</i>	Milwaukee, WI USA	27-Sep-2021
<i>Name, function:</i>	Daniel L. Nachtigall, Technical Leader – Product Compliance Engineering	
<i>Signature:</i>		

Catalogue number	Series ¹	Description	Directive ²		
			LVD	EMC	RoHS
871TM-B***_*		Inductive proximity sensor, 20...250V AC/DC per Nomenclature	Yes	Yes	Yes
871TM-BH***_*		Inductive proximity sensor, 20...250V AC/DC per Nomenclature	Yes	Yes	Yes
871TM-D***_*		Inductive proximity sensor, 0...30V DC per Nomenclature	N/R	Yes	Yes
871TM-DF***_*		Inductive proximity sensor, 0...30V DC per Nomenclature	N/R	Yes	Yes
871TM-DH***_*		Inductive proximity sensor, 0...30V DC per Nomenclature	N/R	Yes	Yes
871TM-BX21-N3		Same as 871TM-BH5N18-N3 except 20...132V AC/DC and higher operating temperature	N/R	Yes	Yes
871TM-BX22-H2		Same as 871TM-BH8N18-H2 except 20...132V AC/DC and higher operating temperature	N/R	Yes	Yes
871TM-BX22-N3		Same as 871TM-BH8N18-N3 except 20...132V AC/DC and higher operating temperature	N/R	Yes	Yes
871TM-BX23-N3		Same as 871TM-BH10N30-N3 except 20...132V AC/DC and higher operating temperature	N/R	Yes	Yes
871TM-DX25		Same as 871TM-DH5NN18-A2 except for shorter housing	N/R	Yes	Yes
871T-DX50-**		Plastic inductive proximity sensor w/diagnostic output, unshielded	N/R	Yes	Yes

- 1) Products of the series level indicated, as well as succeeding series levels, are certified. If no series letter or number is given, then all series are certified.
- 2) Yes = Product is certified to this directive.
N/R = This directive is not required for this product.

NOMENCLATURE:

871	TM	B	10	N	30	-	N3
1	2	3	4	5	6		7

1	Designates Product Type 871 – Inductive proximity sensor
2	Designates Model Type TM – Cylindrical, stainless steel, metal face
3	Designates Voltage and Special Features B – 20...250V AC/DC BH – 20...250V AC/DC, PLC interface D – 10...30V DC DF – 10...30V DC, ferrous selective DH – 10...30V DC, short barrel DR – 10...31.5V DC, special applications
4	Designates Nominal Sensing Distance A number 1 through 15 is used to denote nominal sensing distance, mm
5	Designates Output Type C – N.C. output CE – N.C. output, NPN sink or PNP source CN – N.C. output, NPN sink CP – N.C. output, PNP source ED – DeviceNet output N – N.O. output NE – N.O. output, NPN sink or PNP source NN – N.O. output, NPN sink NP – N.O. output, PNP source
6	Designates Nominal Sensor Diameter A number 8 to 40 is used to denote nominal sensor diameter, mm
7	Designates Termination Type A# – PVC cable B# – EAC micro quick disconnect C# – Type SOOW-A cable, 22 AWG D# – Micro QD connector H# – Type SOOW-A cable, 18 AWG N# – Mini change QD connector R# – Micro change QD connector S# – Cable (18 and 30mm diameter sensors) # Designates a number for cable length (in meters) or number of connector pins