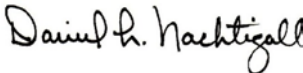


EU Declaration of Conformity

Product:		Photoelectric Proximity Sensors
Name and address of the manufacturer:		Name and address of the authorised representative:
Rockwell Automation Inc. 1201 South 2nd Street Milwaukee, WI 53204 U.S.A.		Rockwell Automation NV Pegasus Park De Kleetlaan 12A 1831 Diegem Belgium
This declaration of conformity is issued under the sole responsibility of the manufacturer.		
Object of the declaration:		Allen-Bradley 42AF Series
		(reference the attached list of catalogue numbers)
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:		
Place and date of issue:	Milwaukee, WI USA	30-Aug-2021
Name, function:	Daniel L. Nachtigall, Technical Leader – Product Compliance Engineering	
Signature:		

Catalogue number	Series ¹	Description	Directive ²		
			LVD	EMC	RoHS
RightSight M30 Photoelectric Proximity Sensors					
42AF-P2MAB1-x	A	DC Polarized Retroreflective sensing mode per Nomenclature	N/R	Yes	Yes
42AF-P2xHB1-x	A	AC/DC Polarized Retroreflective sensing mode per Nomenclature	Yes	Yes	Yes
42AF-E1EZB1-x	A	DC Transmitted Beam Emitter sensing mode per Nomenclature	N/R	Yes	Yes
42AF-E1UZF1-x	A	AC/DC Transmitted Beam Emitter sensing mode per Nomenclature	Yes	Yes	Yes
42AF-R1CHB1-x	A	DC Transmitted Beam Receiver sensing mode per Nomenclature	N/R	Yes	Yes
42AF-R1xxB1-x	A	AC/DC Transmitted Beam Receiver sensing mode per Nomenclature	Yes	Yes	Yes
42AF-B1MAxx-x	A	DC Background Suppression sensing mode per Nomenclature	N/R	Yes	Yes
42AF-N1MAC1-x	A	DC Background Reflection sensing mode per Nomenclature	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:

Polarized Retroreflective:

42AF	-	P	2	M	A	B	1	-	F4
1		2	3	4	5	6	7		8

1	Designates Product Family 42AF: RightSight M30 photoelectric proximity switch
2	Designates Sensing Mode P: Polarized retroreflective
3	Designates Light Source 2: Visible red LED
4	Designates Operating Voltage/Mode C: AC/DC, light and dark operate M: DC, 2 complementary light/dark outputs R: AC/DC, light operate S: AC/DC, dark operate
5	Designates Output Type A: Auto PNP or NPN – (IO-Link) H: SPDT EM Relay
6	Designates Sensitivity Adjustment B: No sensitivity adjustment
7	Designates Sensing Distance A number 1 thru 9 denotes sensing range in mm depending on product sensing mode
8	Designates Connection Type A2: 2m Cable D4: Integral 4 pin DC Micro (M12) F4: 4 pin DC Micro (M12) on 150mm (6in) pigtail G4: 4 pin AC Micro (M12) on 150mm (6in) pigtail M*: Pico QD connector, where * is a number and/or letter signifying pin/connector options

Transmitted Beam Emitter

42AF	-	E	1	E	Z	B	1	-	A2
1		2	3	4	5	6	7		8

1	Designates Product Family 42AF: RightSight M30 photoelectric proximity switch
2	Designates Sensing Mode E: Transmitted beam emitter
3	Designates Light Source 1: Infrared LED
4	Designates Operating Voltage/Mode E: DC, transmitted beam source U: No Output – AC/DC
5	Designates Output Type Z: None (light source)
6	Designates Sensitivity Adjustment B: No sensitivity adjustment
7	Designates Sensing Distance A number 1 thru 9 denotes sensing range in mm depending on product sensing mode
8	Designates Connection Type A2: 2m Cable D4: Integral 4 pin DC Micro (M12) F4: 4 pin DC Micro (M12) on 150mm (6in) pigtail G4: 4 pin AC Micro (M12) on 150mm (6in) pigtail M*: Pico QD connector, where * is a number and/or letter signifying pin/connector options

Transmitted Beam Receiver

42AF	-	R	1	M	A	B	1	-	A5
1		2	3	4	5	6	7		8

1	Designates Product Family 42AF: RightSight M30 photoelectric proximity switch
2	Designates Sensing Mode R: Transmitter beam receiver
3	Designates Light Source 1: Infrared LED
4	Designates Operating Voltage/Mode C: AC/DC, light and dark operate M: DC, 2 complementary light/dark outputs R: AC/DC, light operate S: AC/DC, dark operate
5	Designates Output Type A: Auto PNP or NPN – (IO-Link) H: SPDT EM Relay
6	Designates Sensitivity Adjustment B: No sensitivity adjustment
7	Designates Sensing Distance A number 1 thru 9 denotes sensing range in mm depending on product sensing mode
8	Designates Connection Type A2: 2m Cable D4: Integral 4 pin DC Micro (M12) F4: 4 pin DC Micro (M12) on 150mm (6in) pigtail G4: 4 pin AC Micro (M12) on 150mm (6in) pigtail M*: Pico QD connector, where * is a number and/or letter signifying pin/connector options

Background Suppression

42AF	-	B	1	M	A	B	1	-	F4
1		2	3	4	5	6	7		8

1	Designates Product Family 42AF: RightSight M30 photoelectric proximity switch
2	Designates Sensing Mode B: Background Suppression
3	Designates Light Source 1: Infrared LED
4	Designates Operating Voltage/Mode M: DC, 2 complementary light/dark outputs
5	Designates Output Type A: Auto PNP or NPN – (IO-Link)
6	Designates Sensitivity Adjustment B: No sensitivity adjustment C: Push button teach only
7	Designates Sensing Distance A number 1 thru 9 denotes sensing range in mm depending on product sensing mode
8	Designates Connection Type D4: Integral 4 pin DC Micro (M12) F4: 4 pin DC Micro (M12) on 150mm (6in) pigtail

Background Reflection

42AF	-	N	1	M	A	B	1	-	D4
1		2	3	4	5	6	7		8

1	Designates Product Family 42AF: RightSight M30 photoelectric proximity switch
2	Designates Sensing Mode N: Background reflection
3	Designates Light Source 1: Infrared LED
4	Designates Operating Voltage/Mode M: DC, 2 complementary light/dark outputs
5	Designates Output Type A: Auto PNP or NPN – (IO-Link)
6	Designates Sensitivity Adjustment C: Push button teach Only
7	Designates Sensing Distance A number 1 thru 9 denotes sensing range in mm depending on product sensing mode
8	Designates Connection Type D4: Integral 4 pin DC Micro (M12) F4: 4 pin DC Micro (M12) on 150mm (6in) pigtail