

### *EC Declaration of Conformity*

*The undersigned, representing the manufacturer*

**Rockwell Automation, Inc.**  
**1201 South 2<sup>nd</sup> Street**  
**Milwaukee, WI 53204**  
**U.S.A.**

*and the authorised representative established within the  
Community*

**Rockwell Automation BV**  
**Rivium 1e Straat, 23**  
**2909 LE Capelle aan den IJssel**  
**Netherlands**

*herewith declare that the Products:*     **Cylindrical Photoelectric Sensors**

*Product identification (brand and  
catalogue number/part number):*     **Allen-Bradley 42CA, 42CB, 42CD, 42CF and 42CM Series**  
*(reference the attached list of catalogue numbers)*

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*are in conformity with the essential requirements of the following EC Directive(s) when installed in accordance with  
the installation instructions contained in the product documentation:*

2004/108/EC                                     EMC Directive

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*and that the standards and/or technical specifications referenced below have been applied:*

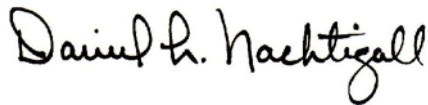
EN 60947-1:2007                                 Low-voltage switchgear and controlgear – Part 1: General rules

EN 60947-5-2:2007                             Low voltage switchgear and controlgear – Part 5-2: Control circuit devices  
and switching elements – Proximity switches

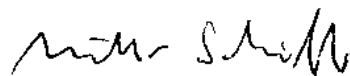
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*Manufacturer:*

*Authorised Representative in the Community:*



**Signature**  
*Name:*         Daniel L. Nachtigall  
*Position:*     Supv – Product Certification Engineering  
*Date:*         02-Mar-2011



**Signature**  
*Name:*         Viktor Schiffer  
*Position:*     Engineering Manager  
*Date:*         22-Mar-2011

<i>Catalogue number</i>	<i>Series <sup>1</sup></i>	<i>Description</i>
42CA-B2LNBC-**-***		18 mm Dia. Diffuse, background suppression, NPN, LO/DO, 50 mm sensing
42CA-B2LPBC-**-***		18 mm Dia. Diffuse, background suppression, PNP, LO/DO, 50 mm sensing
42CA-B2LNBE-**-***		18 mm Dia. Diffuse, background suppression, NPN, LO/DO, 50 mm sensing
42CA-B2LPBE-**-***		18 mm Dia. Diffuse, background suppression, PNP, LO/DO, 50 mm sensing
42CA-D1JNB-**-***		18 mm Dia. Standard Diffuse, NPN output, LO,100 mm sensing distance
42CA-D1JPB-**-***		18 mm Dia. Standard Diffuse, PNP output, LO,100 mm sensing distance
42CA-D1JNAE-**-***		18 mm Dia. Standard Diffuse, NPN output, LO,100 mm sensing distance
42CA-D1JPAE-**-***		18 mm Dia. Standard Diffuse, PNP output, LO,100 mm sensing distance
42CA-D1JNAJ-**-***		18 mm Dia. Standard Diffuse, NPN output, LO,400 mm sensing distance
42CA-D1JPAJ-**-***		18 mm Dia. Standard Diffuse, PNP output, LO,400 mm sensing distance
42CA-D1KNB-**-***		18 mm Dia. Standard Diffuse, NPN output, DO,100 mm sensing distance
42CA-D1KPB-**-***		18 mm Dia. Standard Diffuse, PNP output, DO,100 mm sensing distance
42CA-D1KNAE-**-***		18 mm Dia. Standard Diffuse, NPN output, DO,100 mm sensing distance
42CA-D1KPAE-**-***		18 mm Dia. Standard Diffuse, PNP output, DO,100 mm sensing distance
42CA-D1KNAJ-**-***		18 mm Dia. Standard Diffuse, NPN output, DO,400 mm sensing distance
42CA-D1KPAJ-**-***		18 mm Dia. Standard Diffuse, PNP output, DO,400 mm sensing distance
42CA-E1EZB-**-***		18 mm Dia Light source
42CA-P2JNB-**-***		18 mm Dia. Reflex polarized, NPN output, LO,3 m sensing distance
42CA-P2JPB-**-***		18 mm Dia. Reflex polarized, PNP output, LO,3 m sensing distance
42CA-P2KNB-**-***		18 mm Dia. Reflex polarized, NPN output, DO,3 m sensing distance
42CA-P2KPB-**-***		18 mm Dia. Reflex polarized, PNP output, DO,3 m sensing distance
42CA-R1JNB-**-***		18 mm Dia. Transmitted beam receiver, NPN output, LO,14 m sensing distance
42CA-R1JPB-**-***		18 mm Dia. Transmitted beam receiver, PNP output, LO,14 m sensing distance
42CA-R1KNB-**-***		18 mm Dia. Transmitted beam receiver, NPN output, DO,14 m sensing distance
42CA-R1KPB-**-***		18 mm Dia. Transmitted beam receiver, PNP output, DO,14 m sensing distance
42CA-R1LNA-**-***		18 mm Dia Transmitted beam receiver, NPN output, LO/DO,14 m sensing distance
42CA-R1LPA-**-***		18 mm Dia Transmitted beam receiver, PNP output, LO/DO,14 m sensing distance
42CA-U1JNB-**-***		18 mm Dia Retro-reflective, NPN output, LO,2.5 m sensing distance
42CA-U1JPB-**-***		18 mm Dia Retro-reflective, PNP output, LO,2.5 m sensing distance
42CA-U1KNB-**-***		18 mm Dia Retro-reflective, NPN output, DO,2.5 m sensing distance
42CA-U1KPB-**-***		18 mm Dia Retro-reflective, PNP output, DO,2.5 m sensing distance
42CB-D1LNAF-**-***		18 mm Dia Standard Diffuse, NPN output, 150 mm sensing distance
42CB-D1LNAL-**-***		18 mm Dia Standard Diffuse, NPN output, 1000 mm sensing distance
42CB-D1LPAF-**-***		18 mm Dia Standard Diffuse, PNP output, 150 mm sensing distance
42CB-D1LPAL-**-***		18 mm Dia Standard Diffuse, PNP output, 1000 mm sensing distance
42CB-P2LNA-**-***		18 mm Dia Polarized retro-reflective, NPN output, 2.8 m sensing distance
42CB-P2LPA-**-***		18 mm Dia Polarized retro-reflective, PNP output, 2.8 m sensing distance
42CB-U1LNA-**-***		18 mm Dia Retro-reflective, NPN output, 7.2 m sensing distance
42CB-U1LPA-**-***		18 mm Dia Retro-reflective, PNP output, 7.2 m sensing distance
42CD-D1LEBE-**-***		18 mm Dia Standard Diffuse, 100 mm sensing distance
42CD-D1LEBG-**-***		18 mm Dia Standard Diffuse, 200 mm sensing distance
42CD-D1LEBJ-**-***		18 mm Dia Standard Diffuse, 400 mm sensing distance
42CD-E1LEBW-**-***		18 mm Dia Light source
42CD-R1LEBW-**-***		18 mm Dia. Transmitted beam receiver, NPN/PNP selectable
42CD-U1LEB-**-***		18 mm Dia Retro-reflective, 4.8 m sensing distance

1) If no series number is given, then all series are covered

<i>Catalogue number</i>	<i>Series <sup>1</sup></i>	<i>Description</i>
42CF-D1LNA1-**		12 mm Metal, Standard diffuse, NPN output, 100 mm sensing distance
42CF-D1LNA2-**		12 mm Metal, Standard diffuse, NPN output, 300 mm sensing distance
42CF-D1LNAJ-**		12 mm Metal, Standard diffuse, NPN output, 300 mm sensing distance
42CF-D1LNAG-**		12 mm Metal, Standard diffuse, NPN output, 300 mm sensing distance
42CF-D1LPA1-**		12 mm Metal, Standard diffuse, PNP output, 100 mm sensing distance
42CF-D1LPA2-**		12 mm Metal, Standard diffuse, PNP output, 300 mm sensing distance
42CF-D1LPAJ-**		12 mm Metal, Standard diffuse, PNP output, 300 mm sensing distance
42CF-D1LPAG-**		12 mm Metal, Standard diffuse, PNP output, 300 mm sensing distance
42CF-E1EZB-**		12 mm Light source
42CF-P2LNA1-**		12 mm Metal, Reflex polarized, NPN output, 2 m sensing distance
42CF-P2LPA1-**		12 mm Metal, Reflex polarized, PNP output, 2 m sensing distance
42CF-P2LNAN-**		12 mm Metal, Reflex polarized, NPN output, 2 m sensing distance
42CF-P2LPAN-**		12 mm Metal, Reflex polarized, PNP output, 2 m sensing distance
42CF-R1LNB1-**		12 mm Metal, Transmitted beam receiver, NPN output, 4 m sensing distance
42CF-R1LPB1-**		12 mm Metal, Transmitted beam receiver, PNP output, 4 m sensing distance
42CF-R1LNB-**		12 mm Metal, Transmitted beam receiver, NPN output, 4 m sensing distance
42CF-R1LPB-**		12 mm Metal, Transmitted beam receiver, PNP output, 4 m sensing distance
42CM-B2JPBC-**-***		18 mm Metal Diffuse, background suppression, PNP, LO, 50 mm sensing distance
42CM-B2JPBE-**-***		18 mm Metal Diffuse, background suppression, PNP, LO/DO, 100 mm sensing.
42CM-B2LNBC-**-***		18 mm Metal Diffuse, background suppression, NPN, LO/DO, 50 mm sensing
42CM-B2LPBC-**-***		18 mm Metal Diffuse, background suppression, PNP, LO/DO, 50 mm sensing
42CM-B2LNBE-**-***		18 mm Metal Diffuse, background suppression, NPN, LO/DO, 50 mm sensing
42CM-B2LPBE-**-***		18 mm Metal Diffuse, background suppression, PNP, LO/DO, 50 mm sensing
42CM-D2MNAE-**-		18 mm Metal, Standard diffuse, NPN output, LO/DO, 100 mm sensing distance
42CM-D2MPAE-**-***		18 mm Metal, Standard diffuse, PNP output, LO/DO, 100 mm sensing distance
42CM-D1MNAL-**-		18 mm Metal, Standard diffuse, NPN output, LO/DO, 400 mm sensing distance
42CM-D1MPAL-**-***		18 mm Metal, Standard diffuse, PNP output, LO/DO, 400 mm sensing distance
42CM-E1EZB-**-***		18 mm Metal, Light source
42CM-P2MNB-**-***		18 mm Metal, Reflex polarized, NPN output, LO/DO, 3 m sensing distance
42CM-P2MPB-**-***		18 mm Metal, Reflex polarized, PNP output, LO/DO, 3 m sensing distance
42CM-R1MNB-**-***		18 mm Metal, Transmitted beam receiver, NPN output, LO/DO, 14 m sensing
42CM-R1MPB-**-***		18 mm Metal, Transmitted beam receiver, PNP output, LO/DO, 14 m sensing
42CM-U1MNB-**-***		18 mm Metal, Retro-reflective, NPN output, LO/DO, 2.5 m sensing distance
42CM-U1MPB-**-***		18 mm Metal, Retro-reflective, PNP output, LO/DO, 2.5 m sensing distance

1) If no series number is given, then all series are covered