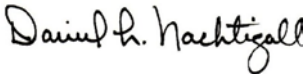


EU Declaration of Conformity

| | | |
|---|--|---|
| Product: | | <i>Cylindrical DC Photoelectric Sensors</i> |
| Name and address of the manufacturer: | | Name and address of the authorised representative: |
| Rockwell Automation Inc. | | Rockwell Automation NV |
| 1201 South 2nd Street | | Pegasus Park |
| Milwaukee, WI 53204 | | De Kleetlaan 12A |
| U.S.A. | | 1831 Diegem |
| | | Belgium |
| <i>This declaration of conformity is issued under the sole responsibility of the manufacturer.</i> | | |
| Object of the declaration: | | <i>Allen-Bradley 42CS Series</i> <i>(reference the attached list of catalogue numbers)</i> |
| <i>The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:</i> | | |
| 2014/30/EU | EMC Directive | (EMC) |
| 2011/65/EU | RoHS Directive | (RoHS) |
| <i>References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared:</i> | | |
| EN60947-5-2: 2007 + A1:2012 | <i>Low voltage switchgear and controlgear – Part 5-2: Control circuit devices and switching elements – Proximity switches</i> | |
| EN 63000:2018 | <i>Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances</i> | |
| <i>Signed for and on behalf of the above named manufacturer:</i> | | |
| Place and date of issue: | Milwaukee, WI USA | 31-Aug-2021 |
| Name, function: | Daniel L. Nachtigall, Technical Leader – Product Compliance Engineering | |
| Signature: |  | |

| <i>Catalogue number</i> | <i>Series ¹</i> | <i>Description</i> |
|-------------------------|----------------------------|--|
| 42CS*-B2M*A1-D4 | | <i>Cylindrical background suppression photoelectric sensor per Nomenclature</i> |
| 42CS*-C2M*A1-D4 | | <i>Cylindrical clear object detection photoelectric sensor per Nomenclature</i> |
| 42CS*-D*M*A*-D4 | | <i>Cylindrical standard diffuse photoelectric sensor per Nomenclature</i> |
| 42CS*-E*EZB1-D4 | | <i>Cylindrical transmitted beam photoelectric sensor per Nomenclature</i> |
| 42CS*-P2M*B1-D4 | | <i>Cylindrical polarized retroreflective photoelectric sensor per Nomenclature</i> |
| 42CS*-R9M*B1-D4 | | <i>Cylindrical transmitted beam receiver photoelectric sensor per Nomenclature</i> |

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.

NOMENCLATURE:

| | | | | | | | | | | |
|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| 42CS | S | - | D | 2 | M | P | A | 1 | - | D4 |
| 1 | 2 | | 3 | 4 | 5 | 6 | 7 | 8 | | 9 |

| | | | | | | |
|---|--|------------------------|-------------------------------------|---------------------------|------------------|---------------------------|
| 1 | Product Line 42CS – Cylindrical photoelectric sensor | | | | | |
| 2 | Sensor Enclosure Type S – Smooth T – Threaded | | | | | |
| 3 | Sensing Mode B – Background suppression C – Clear object detection D – Standard diffuse P – Polarized retroreflective E – Transmitted beam R – Transmitted beam receiver | | | | | |
| 4 | Light Source 1 - Infrared 2 – Visible red 9 – None (transmitted beam) | | | | | |
| 5 | Operating Voltage / Mode E – DC, transmitted beam light source M – DC, 2 complimentary LO/DO outputs | | | | | |
| 6 | Output Type N – NPN output P – PNP output Z – None (transmitted beam light source) | | | | | |
| 7 | Sensitivity Adjustment A – Ferromagnetic teach B – Standard w/o adjustment | | | | | |
| 8 | Sensing Range (Per Sensing Mode) | | | | | |
| | Background Suppression | Clear Object Detection | Standard Diffuse | Polarized Retroreflective | Transmitted Beam | Transmitted Beam Receiver |
| | 1 – 4m | 1 – 1m | 1 – 100mm 2 – 400mm 3 – 800mm | 1 – 3.5m | 1 – 20m | 1 – 20m |
| 9 | Connection Type D4 – Pigtail with 4 pin DC Micro QD | | | | | |