

Original



## EU DECLARATION OF CONFORMITY

**1. Product Models/Products:**

D4N,D4N-R Series

**2. Name and address of the manufacturer:**

OMRON Corporation

Shiokoji Horikawa Shimogyo-Ku, Kyoto, 600-8530 Japan

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

**4. Objects of the declaration:**

D4N,D4N-R Series with direct opening operation, Safety Limit Switches

**5. The objects of the declaration described above are in conformity with the relevant Union harmonization legislation:**

2006/42/EC Machinery Directive

2011/65/EU RoHS Directive

**6. References to the relevant harmonized standards used or references to the other technical specifications in relation to which conformity is declared:**

Machinery Directive: EN ISO14119: 2013 Clause 9.2.2

EN115-1:2017 Clauses 5.11 and 5.12

EN 60947-5-1:2017/AC:2020-05

RoHS Directive: EN IEC 63000: 2018

**Signed and on behalf of:** OMRON Corporation

**Place and date of issue:** Kyoto, Japan July 1, 2024

**Signature:**

**Name:**

Hirofumi Hosokawa

**Function:**

Industrial Automation Company

Component Div. Product Business Division HQ. Manager

**Name and address of contact in EU**

OMRON Europe B.V.

Quality & Environment Department

Attn: J.J.P.W. Vogelaar, European Quality & Environment Manager

Zilverenberg 2, 5234 GM, 's-Hertogenbosch, The Netherlands

**Additional Information**

D4N, D4N-R Series with direct opening operation, Safety Limit Switches

D4N □ - 1 A 11 □ - #  
 I II III IV V VI VII

I : Basic type

II : With or without lever shaft for door hinge

Blank: Without lever shaft

A: Without lever shaft (for the production in China)

**III : Conduit Variation**

|    |           |                             |
|----|-----------|-----------------------------|
| 1: | Pg13.5    | (1 Conduit)                 |
| 2: | G1/2      | (1 Conduit)                 |
| 3: | 1/2-14NPT | (1 Conduit)                 |
| 4: | M20       | (1 Conduit)                 |
| 5: | Pg13.5    | (2 Conduit)                 |
| 6: | G1/2      | (2 Conduit)                 |
| 7: | 1/2-14NPT | (2 Conduit)                 |
| 8: | M20       | (2 Conduit)                 |
| 9: | M12       | (1 Conduit, with Plug)      |
| A: | M12       | (2 Conduit, with Plug)      |
| B: | M12       | (1 Conduit, with Connector) |
| C: | M12       | (2 Conduit, with Connector) |

**IV : Switch Mechanism**

|    |                              |               |
|----|------------------------------|---------------|
| 1: | 1NC/ 1NO                     | (Snap action) |
| 2: | 2NC                          | (Snap action) |
| A: | 1NC/ 1NO                     | (Slow action) |
| B: | 2NC                          | (Slow action) |
| C: | 2NC/ 1NO                     | (Slow action) |
| D: | 3NC                          | (Slow action) |
| E: | 1NC/ 1NO (Make Before Break) | (Slow action) |
| F: | 2NC/ 1NO (Make Before Break) | (Slow action) |
| G: | 2NO                          | (Slow action) |

V: Actuator

|     |                             |                                                      |                           |
|-----|-----------------------------|------------------------------------------------------|---------------------------|
| 20: | Roller lever                | (R26, plastic lever, plastic roller)                 |                           |
| 22: | Roller lever                | (R26, metal lever, plastic roller)                   |                           |
| 23: | Roller lever                | (R28, metal lever, plastic roller)                   |                           |
| 25: | Roller lever                | (R26, metal lever, metal roller)                     |                           |
| 26: | Roller lever                | (R26, metal lever, bearing roller)                   |                           |
| 2G: | Adjustable roller lever     | (form lock, R20 to R66, metal lever, plastic roller) |                           |
| 2H: | Adjustable roller lever     | (form lock, R32 to R66, metal lever, rubber roller)  |                           |
| 2J: | Roller lever                | (R26, metal lever, plastic long roller)              |                           |
| 2L: | Adjustable roller lever     | (form lock, R20 to R66, metal lever, metal roller)   |                           |
| 31: | Plunger                     |                                                      |                           |
| 32: | Roller plunger              |                                                      |                           |
| 34: | Metal roller plunger        |                                                      |                           |
| 62: | One way roller lever        | (R20, $\phi 12 \times 5\text{mm}$ )                  | (horizontal)              |
| 63: | One way roller lever        | (horizontal)                                         |                           |
| 64: | One way roller lever        | (R14.9, $\phi 14 \times 5\text{mm}$ )                | (horizontal) (See Note 1) |
| 72: | One way roller lever        | (vertical)                                           |                           |
| RE: | Right side, Fork lever lock | (R26, rubber roller)                                 |                           |
| LE: | Left side, Fork lever lock  | (R26, rubber roller)                                 |                           |

\* Note 1) Mechanical Durability is 3, 000, 000 operations.

VI: With or without reset button

Blank: Without reset button  
R: With reset button

VII: Customer code

Blank: Standard

GP: Special code for model connected with Connector type XS2W-D421

##: Customer code

Maximum 6 digit number(s) and /or letter(s) except for GP