



D1B062 D5B035

## **EU Declaration of Conformity**

**Identification of the Product** Miniature Photoelectric Switch Name and address of Manufacturer Name and address of the authorized representative: IDEC CORPORATION IDEC ELEKTROTECHNIK GmbH 2-6-64 Nishimiyahara, Yodogawa-Ku, Heselstuecken 8, 22453 Hamburg, Germany Osaka 532-0004 Japan

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

Object of the declaration:

Series Name - SA1E Series

Model No. – Details are as per attached sheet

The object of the declaration described above is in conformity with the relevant EU harmonization

legislation:

2014/30/EU

2011/65/EU

Electromagnetic Compatibility Directive

Restriction of the use of certain hazardous substances

(RoHS) Directive

Applied Union harmonized legislation and references to the relevant harmonization standards used or references the other technical specifications in relation to which conformity is declared.

EN 60947-5-2: 2007/A1:2012

EN 50581:2012

Where applicable, the notified body

Additional Information:

Signed for and on be half of the above named manufacturer:

Place and date of issue:

Japan, 20 April, 2016

Japan, 19, May, 2017 (Revised)

Name, function

Atsushi Matsumoto, Executive Officer,

Quality Assurance Center

Signature

Alsochi Matsumeto





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| SAIE Series     |   |          |          |          |            |         |  |  |  |  |  |
|-----------------|---|----------|----------|----------|------------|---------|--|--|--|--|--|
| <u>SA1E</u> -   | <u>T</u> <u>N</u>                                 | <u>1</u> | <u>C</u> | <u>P</u> | <u>-NA</u> | _****** |  |  |  |  |  |
| (1)             | $\frac{\mathrm{T}}{(2)}$ $\frac{\mathrm{N}}{(3)}$ | (4)      | (5)      | (6)      | (7)        | (8)     |  |  |  |  |  |
| (1) Series      | SA1E  |          |          |          |            |         |  |  |  |  |  |
| (2) Detection N | /lode   |          |          |          |            |         |  |  |  |  |  |
| T:              | Through   | ı-Beam   | (Infrai  | ed LE    | D Type     | )       |  |  |  |  |  |
| TA:             | Through-Beam (Red LED Type)                       |          |          |          |            |         |  |  |  |  |  |
| P:              | Polarized Retro-reflective                        |          |          |          |            |         |  |  |  |  |  |
| D:              | Diffuse-reflective                                |          |          |          |            |         |  |  |  |  |  |
| N:              | Small-Beam Reflective                             |          |          |          |            |         |  |  |  |  |  |
| B:              | Background Suppression                            |          |          |          |            |         |  |  |  |  |  |
| G:              | Convergent Reflective                             |          |          |          |            |         |  |  |  |  |  |
| (3) Control Out | tput  |          |          |          |            |         |  |  |  |  |  |
| N:              | NPN   |          |          |          |            |         |  |  |  |  |  |
| <b>P</b> :      | PNP   |          |          |          |            |         |  |  |  |  |  |
| (4) Operation N | Model   |          |          |          |            |         |  |  |  |  |  |
| 1:              | Light On  |          |          |          |            |         |  |  |  |  |  |
| 2:              | Dark O  |          |          |          |            |         |  |  |  |  |  |
| (5) Connection  |   |          |          |          |            |         |  |  |  |  |  |
| C:              | M8 Cor  | mector ( | Outpu    | t: Pin l | No. 4)     |         |  |  |  |  |  |
| C2:             | M8 Cor  |          |          |          | -          |         |  |  |  |  |  |
| C3:             | M8 Cor  |          | •        |          | ,          |         |  |  |  |  |  |

(6) (Only for Through-Beam Type)

Projector P:

R. Receiver

(7) Sensitivity Adjustment

None:

With Adjustment

-NA:

Without Adjustment

(Only for Through-Beam Type and Polarized Retro-reflective Type)

(8) Manufacturer's control code (may be followed) \*\*\*\*\*\*: Additional letters and/or numbers





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## (For Cable Type)

| SA1E | - | $\underline{\mathbf{T}}$ | $\underline{\mathbf{N}}$ | <u>1</u> | <u>P</u> | <u>-NA</u> | <u>-2M</u> | _****** |
|------|---|--------------------------|--------------------------|----------|----------|------------|------------|---------|
| (1)  |   | (2)                      | (3)                      | (4)      | (5)      | (6)        | (7)        | (8)     |

(1) Series SA1E

(2) Detection Mode

Through-Beam (Infrared LED Type) T:

TA: Through-Beam (Red LED Type)

Polarized Retro-reflective P:

D: Diffuse-reflective

Small-Beam Reflective N:

B: **Background Suppression** 

G: Convergent Reflective

(3) Control Output

N: **NPN** 

P: **PNP** 

(4) Operation Model

1: Light On

2: Dark On

(5) (Only for Through-Beam Type)

Ρ: Projector

Receiver R:

(6). Sensitivity Adjustment

None:

With Adjustment

-NA:

Without Adjustment

(Only for Through-Beam Type and Polarized Retro-reflective Type)

(7) Connection

None:

Cable 1 m

-\*M: length of cable (\*: any digit or number 0 to 10 to designate the cable length)

(8) Manufacturer's control code (may be followed)

\*\*\*\*\*\*: Additional letters and/or numbers





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## **SA1E-X Series**

(1) Series SA1E-X

(2) Control Output

N: NPN

P: PNP

(3) Operation Model

1: Light On

2: Dark On

(4) Connection

None: Cable 1 m

-\*M: length of cable (\*: any digit or number 0 to 10 to designate the cable length)

C: Connector Type

(5) Manufacturer's control code (may be followed)

\*\*\*\*\*\*: Additional letters and/or numbers