

EU Declaration of Conformity

Identification of the Product	Relay Barrier
Name and address of Manufacturer	Name and address of the authorized representative and authorized to compile the technical file:
IDEC CORPORATION 2-6-64 Nishimiyahara, Yodogawa-Ku, Osaka 532-0004 Japan	APEM SAS 55, Avenue Edouard Herriot BP1, 82303 Caussade Cedex, France

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

Object of the declaration : Series Name: EB3 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	Electromagnetic Compatibility Directive
2014/34/EU	Equipment for explosive atmospheres (ATEX) Directive
2011/65/EU and (EU)2015/863	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.


Type legislation	EB3C, EB3L, EB3N	EB3S
EMC	EN 60947-5-1:2017/AC:2020-05	EN IEC 60947-5-2:2020/A11:2022
ATEX	EN IEC 60079-0:2018, EN 60079-11:2012	
RoHS	EN IEC 63000:2018	


Where applicable, the notified body

DEKRA Certification B.V. (NB No.0344)
 Meander 1051 6825 MJ Arnhem Netherlands

Additional Information :

EC Type Examination Certificate No. DEKRA 21ATEX0103

Explosion Protection:  II (1) G [Ex ia Ga] IIC

 II (1) D [Ex ia Da] IIIC

Signed for and on behalf of the above named manufacturer :

Place and date of issue : Japan, March, 1, 2023
 Name, function : Masaki Tsuru, Executive Officer
 Quality Assurance Center
 Signature :



March, 1, 2023

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Nomenclature for EB3C

EB3C - **T** **16C** **S** **D** **-C** **N**
 I **II** **III** **IV** **V** **VI**

I. Kind of Signal Output (non-intrinsically safe side)

R: Relay

T: Transistor

M: MOSFET

II. Number of circuits

01, 02, 03, 05, 06, 08, 10, 04C, 08C, 16C

(The suffix C show the common connections type)

III. Type of Signal Output (for 04C, 08C and 16C only)

K: Sink output type

S: Transistor

IV. Power Supply

D: DC power input

A: AC power input

V. Connection

None: Terminal

-C: connector

VI. Suffix N indicates new version

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Nomenclature for EB3L

EB3L - $\frac{S}{I}$ $\frac{01}{II}$ $\frac{S}{III}$ $\frac{D}{IV}$ $\frac{-C}{V}$ $\frac{N}{VI}$

I. Kind of Signal Output (non-intrinsically safe side)

S: for Super LED

II. Number of circuits

01, 02, 03, 05, 06, 08, 10, 04C, 08C, 16C

(The suffix C shows the common connections type)

III. Type of Signal Output

K: Sink

S: Source

IV. Power Supply

D: 24V dc

A: 100 to 240V ac

V. Connection

None: Terminal

-C: Connector

VI. Suffix N indicates new version

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Nomenclature for EB3S

EB3S - B R 04 D N
 I II III IV V

I. Type of IS Circuit

A: Non-linear

B: Liner

II. Output Type

R: Relay output

T: Transistor output

M: MOS

III. Circuit Number

01, 02, 03, 04, 05, 06

IV. Power Supply

D: DC power input

A: AC power input

V. Suffix N indicates new version

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Nomenclature for EB3N

EB3N - $\frac{A2}{I}$ $\frac{N}{II}$ $\frac{D}{III}$

I. Type of Safety circuit

A2: Auto start, 2I/O circuits

M2: Manual start, 2I/O circuits

II. Auxiliary circuit

N : without auxiliary circuit

R5: 5I/O circuits, Relay output

III. Power Supply

D: DC power input