



Doc No.	235DOC-0019
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EU Declaration of Conformity

Identification of the Product	Intrinsically Safe Type Relay Barrier, Lamp Barrier and Sensor Barrier
Name and address of Manufacturer IDEC CORPORATION 2-6-64 Nishimiyahara, Yodogawa-Ku, Osaka 532-0004 Japan	Name and address of the authorized representative : 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 – EB3C/EB3L/EB3S 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.	
(EMC) EN 61000-6-2:2005 EN 61000-6-4+A1:2011 (ATEX) EN IEC 60079-0:2018 EN 60079-11:2012 (RoHS) EN IEC 63000:2018	
Where applicable, the notified body Physikalisch-Technischen Bundesanstalt (PTB) (NB No.0102) Bundesallee 100, 38116 Braunschweig, Germany	
Additional Information : EC Type Examination Certificate No. PTB 09 ATEX 2046 Explosion Protection: Ex II (1) G [Ex ia Ga] IIC Ex II (1) D [Ex ia Da] IIIC	
Signed for and on behalf of the above named manufacturer :	
Place and date of issue :	Japan, 20 April, 2016 Japan, 15 July, 2021 (Revised)
Name, function :	Masaki Tsuru, Executive Officer Quality Assurance Center
Signature :	

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Nomenclature:
(Relay Barrier)

EB3C - $\frac{T}{1}$ $\frac{16C}{2}$ $\frac{S}{3}$ $\frac{D}{4}$ - $\frac{C}{5}$ $\frac{N}{6}$

1. Kind of Signal Output (non-intrinsically safe side)
R: Relay
T: Transistor
M: MOSFET
2. Number of circuits
01, 02, 03, 05, 06, 08, 10, 04C, 08C, 16C
(The suffix C show the common connections type)
3. Type of Signal Output (for 04C, 08C and 16C only)
K: Sink output type
S: Transistor
4. Power Supply
D: DC power input
A: AC power input
5. Connection
None: Terminal
-C: connector
6. Suffix N indicates new version

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Nomenclature:
(Lamp Barrier)

EB3L - $\frac{S}{1}$ $\frac{01}{2}$ $\frac{S}{3}$ $\frac{D}{4}$ - $\frac{C}{5}$ $\frac{N}{6}$

1. Kind of Signal Output (non-intrinsically safe side)
S: for Super LED
2. Number of circuits
01, 02, 03, 05, 06, 08, 10, 04C, 08C, 16C
(The suffix C shows the common connections type)
3. Type of Signal Output
K: Sink
S: Source
4. Power Supply
D: 24V dc
A: 100 to 240V ac
5. Connection
None: Terminal
-C: Connector
6. Suffix N indicates new version

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Nomenclature:
(Sensor Barrier)

EB3S – $\frac{\underline{B}}{1}$ $\frac{\underline{R}}{2}$ $\frac{\underline{04}}{3}$ $\frac{\underline{D}}{4}$ $\frac{\underline{N}}{5}$

1. Type of IS Circuit
A: Non-linear
B: Liner
2. Output Type
R: Relay output
T: Transistor output
M: MOS
3. Circuit Number
01, 02, 03, 04, 05, 06
4. Power Supply
D: DC power input
A: AC power input
5. Suffix N indicates new version