



Doc No.	235DOC-0022
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Attestation of Conformity
(ATEX Directive 2014/34/EU)
EU Declaration of Conformity

(Machinery Directive 2006/42/EC for Emergency stop switch,
RoHS Directive 2011/65/EU and (EU)2015/863)

Identification of the Product	Control Unit (for Flameproof and Increased Safety Control Box)
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 – EU2B 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 :	
2006/42/EC 2014/34/EU 2011/65/EU and (EU)2015/863	Machinery Directive Equipment for explosive atmospheres (ATEX) 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.	
2006/42/EC 2014/34/EU 2011/65/EU and (EU)2015/863	EN 60947-5-5:1997/A2:2017 (For Emergency stop switch) EN IEC 60079-0:2018 EN 60079-1: 2014 EN IEC 60079-7:2015+A1:2018 EN 60079-31: 2014 EN IEC 63000: 2018
Where applicable, the notified body	
CML B.V. , Koopvaardijweg 32 (2776), 4906CV Oosterhout The Netherlands Physikalisch-Technischen Bundesanstalt(PTB)(0102), Bundesallee 100, 38116 Braunschweig, Germany	
Additional Information :	
EU Type Examination Certificate No. CML 21ATEX11190U, CML 21ATEX31294U, PTB 08ATEX1053U and PTB08 ATEX1003U,	
Explosion Protection: Ex II 2 G Ex db eb IIC Gb Ex II 2 D Ex tb IIIC Db Ex II 2 G Ex eb IIC Gb Ex II 2 D Ex tb IIIC Db	
Signed for and on behalf of the above named manufacturer :	
Place and date of issue :	Japan, May 18, 2023
Name, function :	Masaki Tsuru, Executive Officer Quality Assurance Center
Signature :	

May 18, 2023

Page 1 of 6

Nomenclature for Emergency stop switch

<u>EU2B-Y</u>	<u>BV</u>	<u>3</u>	<u>11</u>	<u>F</u>	<u>R</u>	<u>*</u>
I	II	III	IV	V	VI	VII

I. Basic Model Designation

EU2B-Y

II. Operator

BV - Pushlock Turn Reset or Pull Reset

III. Button Size

3 - 40 mm O.D.

IV. Contact Arrangement

01 - 1 NC

02 - 2 NC

11 - 1 NO 1 NC

03 - 3 NC

21 - 2NO 1NC

12 - 1 NO 2NC

V. Terminal

C - Standard screw terminal

F - IP20 screw terminal

VI. Button color

R - Red

VII. Additional letter(s) and / or number(s) (optional)

* - for manufacturer control, may employ hyphens in various locations.

May 18, 2023

Page 2 of 6

Nomenclature for Pushbutton Switch

<u>EU2B-Y</u>	<u>B1</u>	<u>11</u>	<u>F</u>	<u>B</u>	<u>*</u>
I	II	III	IV	V	VI

I. Basic Model Designation

EU2B-Y

II. Operator

B1 - Flush Button

B2 - Extended Button

B3 - Mushroom Button

III. Contact Arrangement

10 - 1NO

01 - 1NC

20 - 2NO

02 - 2NC

11 - 1NO1NC

30 - 3NO

03 - 3NC

21 - 2NO1NC

12 - 1NO2NC

IV. Terminal

C – Standard screw terminal

F – IP20 screw terminal

V. Button color

B - Black

G - Green

R - Red

Y - Yellow

S - Blue

W – White

VI. Additional letter(s) and / or number(s) (optional)

* - for manufacturer control, may employ hyphens in various locations.

May 18, 2023

Page 3 of 6

Nomenclature for Selector/Key Selector Switch

<u>EU2B-Y</u>	<u>SK</u>	<u>3</u>	<u>11</u>	<u>N1</u>	<u>F</u>	<u>B</u>	<u>*</u>	
I	II	III	IV	V	VI	VII	VIII	IX

I. Basic Model Designation

EU2B-Y

II. Operator

S - Selector

SK - Key Selector

III. Function

2 - 2-position, maintained

2R - 2-position, maintained (overlap)

2J - 2-position, maintained (special function)

21 - 2-position, spring return from right

3 - 3-position, maintained

31 - 3-position, spring return from right

32 - 3-position, spring return from left

33 - 3-position, 2-way spring return

IV. Contact arrangement

10 - 1NO 11 - 1NO1NC

01 - 1NC 20 - 2NO

02 - 2NC 30 - 3NO

03 - 3NC 21 - 2NO1NC

12 - 1NO2NC

V. Circuit code

Blank - None

N1 - Separate designation etc. (Refer to the catalog)

VI. Terminal

C - Standard screw terminal

F - IP20 screw terminal

VII. Key removable for Key Selector

2-position type

A - Key is removable in any position

B - Key is removable in left position

C - Key is removable in right position

3-position type

A - Key is removable in any position

B - Key is not removable in right position

C - Key is not removable in left position

D - Key is removable in center position

E - Key is not removable in center position

G - Key is removable in left position

H - Key is removable in right position

VIII. Key Number for Key Selector

* - Additional letter(s) and / or number(s)

IX. Additional letter(s) and / or number(s) (optional)

** - for manufacturer control, may employ hyphens in various locations

May 18, 2023

Page 4 of 6

Nomenclature for Pilot Light

<u>EU2B-Y</u>	<u>L1</u>	<u>22</u>	<u>F</u>	<u>D</u>	<u>R</u>	<u>*</u>
I	II	III	IV	V	VI	VII

I. Basic Model Designation

EU2B-Y

II. Operator

L1 - Pilot Light

III. Voltage

66 - 6V AC/DC (Full voltage type)
11 - 12V AC/DC (Full voltage type)
22 - 24V AC/DC (Full voltage type)
16 - 100/110V AC (Transformer type)
116 - 115V AC (Transformer type)
126 - 120V AC (Transformer type)
26 - 200/220V AC (Transformer type)
236 - 230V AC (Transformer type)
246 - 240V AC (Transformer type)
386 - 380V AC (Transformer type)
46 - 400/440V AC (Transformer type)
486 - 480V AC (Transformer type)
110 - 100/110/120V AC/DC (Full voltage type)

IV. Terminal

C - Standard screw terminal
F - IP20 screw terminal

V. Lamp

D - LED Lamp

VI. Illuminated Color

R - Red
G - Green
A - Amber
Y - Yellow
S - Blue
PW - Pure White

VII. Additional letter(s) and / or number(s) (optional)

* - for manufacturer control, may employ hyphens in various locations.

May 18, 2023

Page 5 of 6

Nomenclature for AC Ammeter

EU2B-Y M 5 3 A 10 F -R *
I II III IV V VI VII VIII IX

I. Basic Model Designation

EU2B-Y

II. Function

M – Meter

III. Input Current

1 - 1 A

5 - 5 A

IV. Overload Scale

3 - 3 times

2 - 2 times

5 - 5 times

N – None

V. Type of Meter

A - AC Ammeter

VI. Measuring range

Direct measuring

1 - 1A

5 - 5A

For current transformers

10 - 10A

15 - 15A

20 - 20A

30 - 30A

50 - 50A

60 - 60A

75 - 75A

100 - 100A

150 - 150A etc.

VII. Terminal

C – Standard screw terminal

F – IP20 screw terminal

VIII. Set Pointer

Blank - None

R - With Set Pointer

IX. Additional letter(s) and / or number(s) (optional)

* - for manufacturer control, may employ hyphens in various locations.

May 18, 2023

Page 6 of 6

Nomenclature for DC Voltmeter or Ammeter

$\frac{\text{EU2B-Y}}{\text{I}}$ $\frac{\text{M}}{\text{II}}$ $\frac{\text{010}}{\text{III}}$ $\frac{\text{VD}}{\text{IV}}$ $\frac{\text{F}}{\text{V}}$ - $\frac{\text{PER}}{\text{VI}}$ $\frac{\text{-R}}{\text{VII}}$ $\frac{*}{\text{VIII}}$

I. Basic Model Designation

EU2B-Y

II. Function

M – Meter

III. Input Voltage or Current

010 – 0 ~ 10V

001 – 0 ~ 1mA

420 – 4 ~ 20mA etc.

IV. Type of meter

VD - DC voltmeter

MD- DC ammeter

V. Terminal

C – Standard screw terminal

F – IP20 screw terminal

VI. Specification of scale

-PER – 0 ~ 100%

-60HZ -0 ~ 60Hz

-80HZ -0 ~ 80Hz etc.

VII. Set Pointer

Blank - None

R - With Set Pointer

VIII. Additional letter(s) and / or number(s) (optional)

* - for manufacturer control, may employ hyphens in various locations.

Mounting hole plug

Type: EU9Z-BP