



# NIPPON KAIJI KYOKAI

## Certificate of Type Test

Certificate No.

TA18437M

FOR EXPLOSION PROTECTED TYPE ELECTRICAL EQUIPMENT

MANUFACTURER: IDEC Corporation, Amagasaki Plant, Hyogo, Japan

PRODUCT: Intrinsically Safe Type Relay Barrier / Lamp Barrier

TYPE NO.: EB3C-N, EB3L-N

TYPE TEST NO.: 13T606

PARTICULARS: Construction Intrinsically safe type ([Ex ia] IIC & [Ex ia] IIIC)  
Standard IEC60079-0, IEC60079-11  
Intrinsically safe circuit (16ch. common / 1ch. separate)  
Max. output voltage 13.2V / 13.2V  
Max. output current 227.2mA / 14.2mA  
Max. power 750mW / 46.9mW  
Permissible capacitance 0.49μF / 0.47μF  
Permissible inductance 0.60mH / 87.5mH  
Non-intrinsically safe circuit  
Permissible voltage a.c.250V (50/60Hz), d.c.250V  
Ambient temperature -20°C~60°C

DOCUMENTS: Refer to the attached sheet

THIS IS TO CERTIFY that the above mentioned product has been approved by the NIPPON KAIJIKYOKAI in accordance with the Society's type test requirements for electrical equipment and cables.

This certificate is valid until 21 October 2023.

Issued at Tokyo on 22 October 2018.



T. Shimada  
General Manager  
Machinery Department

Note: The manufacturer, if desired, is requested to apply to the Society for renewal prior to the expiration date.

# NIPPON KAIJI KYOUKAI

Attached sheet to Certificate No.TA18437M

## TYPE NO.:

### EB3C-abcdeN:

- a = Output type;  
R: Relay output, T: Transistor output, M: MOSFET
- b = Output channels;  
01, 02, 03, 04C, 05, 06, 08, 08C, 10, 16C (C: indicates common type only)
- c = Signal type;  
K: Sink, S: Source (for 04C, 08C & 16C)
- d = Power supply;  
A: AC, D: DC
- e = Connection;  
-C: Connector, Nil: Terminal

### EB3L-abcdeN:

- a = Output;  
S: Supper LED
- b = Number of channels;  
01, 02, 03, 05, 06, 08, 08C, 10, 16C (C: indicates common type only)
- c = Output type;  
K: Sink, S: Source
- d = Power supply;  
A: AC, D: DC
- e = Connection;  
-C: Connector, Nil: Terminal

## DOCUMENTS:

### EB3C-abcdeN;

A39761-A39770, A39616, A39016, A39618, A39626, A49410,  
A39771-A39780, A39793, A39794, A39623, A39624, A49332-A49337,  
A49412, A49340, A39781, A39782

### EB3L-abcdeN;

A39795-A39804, A39614, A39616, A39160, A39618, A39626,  
A49411, A39805-A39814, A39826, A39827, A39623, A39624,  
A49332-A49337, A49413, A49340, A39815, A39816

— The end —