



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 0.49 μ F / 0.47 μ F
Permissible inductance 0.60mH / 87.5mH
Non-intrinsically safe circuit
Permissible voltage a.c.250V (50/60Hz), d.c.250V
Ambient temperature -20 $^{\circ}$ C~60 $^{\circ}$ 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: Super 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 —