



NIPPON KAIJI KYOKAI

Certificate of Type Test

Certificate No.
TA23388M

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
Standard	([Ex ia] II C & [Ex ia] IIIC)
Intrinsically safe circuit	IEC60079-0, IEC60079-11
	(16ch. common / 1ch. separate)
Max. output voltage	13.2V / 13.2V
Max. output current	227.2mA / 14.2mA
Max. power	750mW / 46.9mA
Permissible capacitance	0.49F / 0.47F
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

DOCUMENTATION: Refer to the attached sheet

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

This certificate is valid until 21 October 2028.

Issued at Tokyo on 8 September 2023.



S. Oishi
General Manager
Machinery Department

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

Attached sheet to Certificate No.TA23388M

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-N:

- 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

DOCUMENTATION:

PTB Certificate No. IECEx PTB 10.0015
(PTB: Physikalisch-Technische Bundesanstalt)

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 —