



NIPPON KAIJI KYOKAI

*Certificate
of
Type Test*

Certificate No.

TA26338M

FOR EXPLOSION PROTECTED TYPE ELECTRICAL EQUIPMENT

APPLICANT: GMI Japan, Kanagawa, Japan

MANUFACTURER: GM International S.p.A., Villasanta, Italy

PRODUCT: Intrinsically Safe Type Barrier for Transmitters

TYPE NO.: D5014S, D5014D

TYPE TEST NO.: 26T601

PARTICULARS: Refer to the attached sheet


STANDARD: IEC 60079-0, IEC 60079-11

DOCUMENTS: 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 1 June 2031.

Issued at Tokyo on 2 June 2026.


T. Okamoto
T. Okamoto
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 KYOKAI

Attached sheet to Cert No. TA26338M

Particulars:

Intrinsically safe type Ex ia IIC
 Ambient temperature range $-40^{\circ}\text{C} \leq \text{Ta} \leq +70^{\circ}\text{C}$

Intrinsically safe circuit

Single channel parameters	Terminals		
	1	7-8	8-11
Channel	2	9-10	10-12
Voltage U_0	DC 25.9 V		DC ± 1.1 V
Current I_0	92 mA		56 mA
Power P_0	594 mW		16 mW
Voltage U_i	N/A		DC 30 V
Current I_i	N/A		128 mA
Power P_i	N/A		N/A
Effective internal capacitance C_i	N/A		0 nF
Effective internal inductance L_i	N/A		0 mH
Max. external capacitance C_0	100 nF		100 μF
Max. external inductance L_0	4.2 mH		11.5 mH
Max. inductance / resistance ratio L_0/R_0	59.9 $\mu\text{H}/\Omega$		2327.2 $\mu\text{H}/\Omega$

Non-intrinsically safe circuit

Input voltage DC 18V to 30V
 Operational voltage AC 250V 50/60Hz, DC 250V

Documents:

Ex Analysis D5014.....	CRR0085_R00
IECEX-ATEX Certification Document D5014.....	CRR0086_R01
Printed Circuit Board Transformer IS 18t+18t.....	PCF0118_R03
Printed Circuit Board D5011-D5014-D5034.....	PCF0120_R03
Parts List D5014S.....	PRL0214_R06
Parts List D5014D.....	PRL0215_R06
Electric Schematic D5011-D5014-D5034.....	SCD0104_R03
Thermal Analysis D5011, D5014.....	THA0002_R03
IECEX Certificate.....	IECEX BVS 10.0072X Issue No.8
IECEX Test Report.....	DE/BVS/ExTR10.0103/08
IECEX Test Report.....	DE/BVS/10/2215/N8
Specification.....	D5014 DTS0280_R13
Instruction Manual.....	D5014 ISM0103_R17