



# NIPPON KAIJI KYOKAI

## Certificate of Type Test

Certificate No.  
TA21566M

FOR EXPLOSION PROTECTED TYPE ELECTRICAL EQUIPMENT

APPLICANT: GMI Japan, Kanagawa, Japan

MANUFACTURER: GM International S.R.L., Villasanta, Italy

PRODUCT: Intrinsically Safe Type Barrier for Temperature Converter

TYPE NO.: D5072S, D5072D

TYPE TEST NO.: 16T619

PARTICULARS:	Intrinsically safe type	(Ex ia IIC)	
	Intrinsically safe circuit		
		Max. input voltage $U_0$	DC 7.2V
		Max. input current $I_0$	23mA
		Max. input power $P_0$	0.040W
		Max. external capacitance	13.5 $\mu$ F
		Max. external inductance	67.2mH
		Max. inductance / resistance ratio $L_0 / R_0$	0.875mH/ $\Omega$
		Max. input voltage $U_i$	12.8V
		Max. input current $I_i$	28.7mA
	Non-intrinsically safe circuit	Input voltage	DC 18V to 30V
		Operational voltage	AC 250V 50/60Hz, DC 250V
	Ambient temperature range	$-40\text{ }^\circ\text{C} \leq T_a \leq +70\text{ }^\circ\text{C}$	

CONDITION: Intrinsically safe apparatus connecting to the above product is to be certified or approved by the Society.

DOCUMENTS: IECExBVS12.0050X issue No.0~issue No.2, DE/BVS/ExTR12.0053/00, revision report DE/BVS/12/2100, D5072 DTS0288, D5072 ISM0157, CRR116 Rev.0, CRR115 Rev.0, SCD125 Rev.2, PCF152 Rev.3, PCF118 Rev.3, PCF120 Rev.3, PRL258 Rev.3, PRL259 Rev.2, TRP084 Rev.0, THA010 Rev.0

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 25 October 2026.

Issued at Tokyo on 17 November 2021.



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.