



NIPPON KAIJI KYOKAI

Certificate of Type Test

Certificate No.

TA22031M

FOR EXPLOSION PROTECTED TYPE ELECTRICAL EQUIPMENT

APPLICANT: Cooper Industries Japan K.K., Tokyo, Japan

MANUFACTURER: Eaton Electric Limited., Beds, England

PRODUCT: Shunt-diode Safety Barriers for Transmitters, Controller Outputs and Switches

TYPE NO.: MTL7787+

TYPE TEST NO.: 04T606

PARTICULARS:

Construction	Intrinsically safe type (Ex ia IIC)
Intrinsically safe circuit	Max. output voltage 28V
	Max. output current 93mA
	Max. output power 0.65W
	External capacitance 0.083 μ F
	External inductance 3.05mH or L/R Ratio 56 μ H/ Ω
Non-intrinsically safe circuit	250V a.c., 50/60Hz or 250V d.c. max.
Ambient temperature	60°C
Standards	EN IEC 60079-0 (2018)
	EN 60079-11 (2012)

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

DOCUMENTATION: SCI-7787, CI7700-1 1/4~4/4, CI7700-2 1/10 2/10 3/10 5/10 6/10 8/10, CI7787-1 1/4~4/4, SCI946, BAS01ATEX7217, IECEx BAS 04.0025
TIS Certificate No. TC16447 (TIS: Technology Institution of Industrial Safety, Japan)

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 5 February 2027.

Issued at Tokyo on 26 January 2022.

T. Shimada
General Manager
Machinery Department

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