



NIPPON KAIJI KYOKAI

Certificate of Type Test

Certificate No.
TA22431M

FOR EXPLOSION PROTECTED TYPE ELECTRICAL EQUIPMENT

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

MANUFACTURER: Eaton Electric Limited, England

PRODUCT: Intrinsically Safe Type Millivolt / Thermocouple Isolator

TYPE NO.: MTL5581

TYPE TEST NO.: 12T611

PARTICULARS: Construction Intrinsically safe type (Ex ia IIC)
Intrinsically safe circuit Max. output voltage 1.1V
Max. output current 53mA
Max. output power 15mW
External capacitance 100 μ F
External inductance 12.8mH or L/R
Ratio 2438 μ H/ohm
Max. input voltage 28V
Max. input current 120mA
Internal capacitance 0 μ F
Internal inductance 0mH
Non-intrinsically safe circuit 250V a.c./d.c. max.
Standards IEC60079-0:2004, IEC60079-11:2006,
IEC61241-11:2005

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

DOCUMENTATION: CI5581-1, CI4581-1, IECEx ExTR Ref. No. GB/BAS/ExTR11.0072/00 and IECEx ExTR Ref. No. GB/BAS/ExTR11.0073/00

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 17 July 2027.

Issued at Tokyo on 8 August 2022.



S. Oishi
General Manager
Machinery Department

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