



# NIPPON KAIJI KYOKAI

## *Certificate of Type Test*

Certificate No.  
TA22427M

### FOR EXPLOSION PROTECTED TYPE ELECTRICAL EQUIPMENT

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

MANUFACTURER: Eaton Electric Limited, England

PRODUCT: Intrinsically Safe Type Repeater Power Supply,  
4/20mA for 2 or 3 Wire Transmitters

TYPE NO.: MTL5541, MTL5544

TYPE TEST NO.: 12T607

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 $\mu$ F  
External inductance 4.2mH or L/R  
Ratio 56 $\mu$ H/ohm

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: CI5541-1, CI4541-1, IECEx ExTR Ref. No. GB/BAS/ExTR07.0129/00

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.