



Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	Tyco Electronics UK Ltd
Address	Crompton Instruments, Freebournes Road, Witham, CM8 3AH, United Kingdom
Place of Production	Rishabh Instruments PVT Limited F-31 MIDC, Satpur, Nashik, Maharashtra, 422007, India
Type	Recording And Indicating Instruments
Description	Eurodin series moving coil (DC and rectified AC) ammeters and voltmeters for panel mounting
Trade Name	E242, E243, E244
Application	Marine, offshore and industrial use in environmental categories ENV1 and ENV2 as described in Lloyd's Register Type Approval System, Test Specification Number 1 - July 2015.
Specified Standard	BS EN 60051-1: 2017 DIN 43700

Ratings	Instrument	Range	Frequency	Class
	Voltmeters (DC)	15mV-600V	-	1.5
	Voltmeters (Rectified AC)	6V-600V	50/60 Hz	2.5
	Ammeters (DC)	25uA -100A	-	1.5

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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Instrument	Range	Frequency	Class
Ammeters Rectified AC)	100uA-100mA	50/60 Hz	2.5

Additional Tests

Enclosure: BS EN 60529 IP 52 (IP 54 on request)

EMC: BS EN 61326:2013 Industrial Environment
BS EN 55032:2015
BS EN 50561-1:2013 Class B

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: 03/00055-(E3)

The Design Appraisal Document LR23177582TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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