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Certificate No: LR2623500DA  
Issue Date: 15/01/2026  
Expiry Date: 25/03/2030  
Reference: PRJ111005062502

## LLOYD'S REGISTER TYPE APPROVAL – DESIGN APPRAISAL DOCUMENT

Issued by: GLOBAL TECHNICAL SUPPORT OFFICE

Issued to: F.lli Giacomello S.r.l.

For: ELECTROMAGNETIC LEVEL INDICATOR

IEG-TC1/-TC2/-TCMM/-TCMS, IEG-INOX-TC1/-TC2/-TCMM/-TCMS,

IEG-N1F/-N2F/-MMF/-MSF, IEG-INOX-N1F/-N2F/-MM/-MS,

IEG-MP, IEG-INOX-MP

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval Schemes Procedures version 01/01/2025 and this Design Appraisal Document forms part of the Certificate LR2623500TA.

### APPROVAL DOCUMENTATION

Type Approval Application Checklist	14/02/2025
Form 2502TA – Request for Marine Services – Type Approval – Ref No. TSO/25-045587/AP	27/10/2025
Production Quality Assessment Form – Control No. PRJ111005062502	01/12/2025
TÜV NORD CERT GmbH ISO 9001:2015 Certificate No. 44 100 20410002	18/11/2025
F.lli Giacomello S.r.l. Letter “COMUNICAZIONE DELLE CORRISPONDENZE TRA VECCHIE E NUOVE SCHEDE IEG”	-
F.lli Giacomello S.r.l. GAP ANALYSIS (LR 2011165TA) IEG-TC1, IEG-TC2, IEG-TCMM, IEG-TCMS Rev. 0	26/06/2025
F.lli Giacomello S.r.l. GAP ANALYSIS (LR 2011165TA) IEG-N1F, IEG-N2F, IEG-MMF, IEG-MSF Rev. 0	26/06/2025

### DATA SHEETS

F.lli Giacomello Data Sheet IEG-TC1 IEG-TC2	-
F.lli Giacomello Data Sheet IEG-TCMM IEG-TCMS	-
F.lli Giacomello Data Sheet IEG-N1F IEG-N2F	-
F.lli Giacomello Data Sheet IEG-MMF IEG-MSF	-

Also all the documentation listed on Design Appraisal Document associated with Type Approval Certificate No. LR2011165TA-01.

**MATTEO ROIAZ**

*Specialist, Electrical and Control Discipline  
Global Technical Support Office*



Matteo Roiaz  
15 January 2026  
Maritime Operations  
Global Technical Support Office  
Electrical and Control Discipline

LR032.2022

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### Supplementary Type Approval Terms and Conditions

Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.

Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval Schemes Procedures.

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## 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.

<b>Manufacturer</b>	<b>F.lli Giacomello Srl.</b>
<b>Address</b>	,Via Magenta, 77 Cap 15/A, Rho (MI), 20017, Italy
<b>Type</b>	Switches - Level
<b>Description</b>	Electromagnetic level indicator
<b>Trade Name</b>	IEG-TC1 /-TC2 /-TCMM /-TCMS, IEG-INOX-TC1 /-TC2 /-TCMM /-TCMS, IEG-N1F /-N2F /-MMF /-MSF, IEG-INOX-N1F /-N2F /-MM /-MS, IEG-MP, IEG-INOX-MP
<b>Application</b>	Marine, Offshore and Industrial use
<b>Specified Standard</b>	<ul style="list-style-type: none"><li>• Manufacturer's Specification</li><li>• IEC 60730-1:2016</li><li>• IEC 60730-2-15: 2019</li><li>• EN 55011:2009+A1:2010</li><li>• EN 55016-1-2+A1:2018</li><li>• EN 55016-2-3+A1:2020</li><li>• EN 55016-4-2+A1:2015</li></ul>
<b>Ratings</b>	<ul style="list-style-type: none"><li>• IEG-TC1 /-TCMM /-N1F /-MMF: 80 W/VA, 1.3 A, @ 250 VDC/VAC</li><li>• IEG-TC2 /-TCMS /-N2F /-MSF: 60 W/VA, 1 A, @ 230 VDC/VAC</li></ul>

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

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**Matteo Roiaz**

Electrical & Control - Specialist to Lloyd's Register EMEA  
A member of the Lloyd's Register group

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## Type Approval Certificate

- IEG-MP:  
20-60-80 W/VA, 1-1, 3-3 A, @ 150-230-250 VDC/VAC
- IEG-INOX-TC1 /-TC2 /-TCMM /-TCMS /-N1F /-N2F /-MM /-MS /-MP:  
60-80 W/VA, 1-3 A, @ 230-250 VDC/VAC; 30 W, 0.5 A @ 500 VDC

Rated pressure: 10 bar

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:** LR2011165TA-01

The Design Appraisal Document LR2623500DA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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