Certificate No: LR25171317TA
Issue Date: 11/02/2026
Expiry Date: 10/02/2031

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	**Martec Marine S.p.A.**
Address	Via dell'Industria, 1/3, VIGNATE, Milano, 20052, Italy
Place of Production	Martec Marine S.p.A. Strada Monsotto, 8, San Paolo Solbrito, AT, 14010, Italy
Type	Alarm And Monitoring Systems
Description	MPB3-SIO-N-8-100 - Martec Power Bus Safety input Output N-8-100 MPB3-SIO-I-SFERA - Martec Power Bus Safety Input Output I-Sfera Martec-Sfera - Martec People Detection Sensor
Trade Name	MPB3-SIO - Martec Power Bus Safety Input Output; Martec Sfera
Application	Marine and Offshore
Specified Standard	Lloyd's Register Type Approval System Test Specification Number 1: July 2024
Ratings	**MPB3-SIO-N-8-100 - Martec Power BusSafety Input Output N-8-100** **PN:60-0278-3** Power supply limits: 35 – 60 Vdc Max input power: 40W Ambient operating temperature: +5 ÷ +55°C Ambient operating humidity: Max 95% Degree of protection: IP 20

Downloaded Copy

Maurizio Crucil

Electrical & Control Technical Manager - South Europe to Lloyd's Register EMEA
A member of the Lloyd's Register group

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

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

Certificate No: LR25171317TA
Issue Date: 11/02/2026
Expiry Date: 10/02/2031

Type Approval Certificate

Category: ENV3

MPB3-SIO-I-SFERA - Martec Power Bus SafetyInput Output I-Sfera
PN: 60-0278-9
Power supply limits: 35 – 60 Vdc
Max input power: 10W
Ambient operating temperature: +5 ÷ +55°C
Ambient operating humidity: Max 95%
Degree of protection: IP 54
Category: ENV3
Atex Marking: II (3) G [Ex ic Gc] IIB
Atex certification number: EPTI 25 ATEX 0457 X

Martec Sfera – Martec People Detection Sensor
PN: 60-0282-1
Nominal Power supply: 5 Vdc
Max input power: 1 W
Ambient operating temperature: -25 ÷ +70°C
Ambient operating humidity: 0-100% RH
Degree of protection: IP 66
Category: ENV5
Atex Marking: II 3G Ex ic IIB T4 Gc Tamb -25°Cto +55°C
Atex certification number: EPTI 25 ATEX 0457 X

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.

The Design Appraisal Document LR25171317DA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Downloaded Copy

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

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.