



TYPE APPROVAL CERTIFICATE

N. **ELE070321CS001**

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA Type Approval system

Description	Fixed fire detection and fire alarm systems: Manual Call points
Type	MD9820 and MD9831 manual call points MD9820-SCI and MD9831-SCI manual call points (With short circuit isolator)
Applicant	MICRODATA DUE S.r.l Via Greti del Vara 9 19020 Follo (SP) ITALY MICRODATA DUE S.r.l Via Greti del Vara 9 19020 Follo (SP) ITALY
Testing Standards	EN 54-11: (2001) incl. A1 (2005); EN54-17:2005 incl. AC:2007 IEC 60092-504:2016; IEC 60533:2015 IACS UR E10 Type Tests
Reference Standards	SOLAS 74 Reg. II-2 /7; SOLAS 74 Reg. X/3; IMO Res. MSC.36(63)- (1994 HSC Code) 7; IMO Res. MSC.97(73)- (2000 HSC Code) 7; IMO Res. MSC.98(73)- (FSS Code) 9; IMO MSC.1/Circ.1242;

Issued at Genoa on
June 21, 2021

This Certificate is valid until
June 21, 2026

This Certificate consists of 2 pages

RINA Services S.p.A.

Luigi Benedetti





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MD 9820 and MD 9820-SCI Manual call points (IP42):

Microdata Due reference documents:

Technical description	n. ST23511 Rev. D
Data sheets	n. D24724 Rev. G
Software description	n. D23592, Rev. A
Conformity to EN 54-11	n. D24742 Rev. A
Risk assessment	n. D36685 Rev.0
Drawings	n. 25936-S_EDA, 25936-S-03-0, 25936-S-07-0, 25936-S-10-0, 25936-S-50-0, 26568-B
Test List And Test Report reference	n. AS29769-BTB Board for manual call point (MCP)
Bre Certification Ltd and LPCB:	EC-Certificate of EN54-11 Conformity n. 0832-CPD-0580

Test reports:

<i>TesLab Laboratory</i>	Environmental / Performance report: n. 051014F-3 (17/05/2005) _ Env. / Performance
<i>Microdata Due</i>	Functional report: n. 687 annex to IS-24738 Rev. 0 (13/06/2005)
<i>TesLab Laboratory</i>	EMC report: EMC 60092-504_2016 n. 17B302E-a
<i>TesLab / Microdata Due</i>	Functional report: n. 0974-17 (28/11/2017) as procedure IS37789 Rev.0 (EMC_ IEC 60092-504:2016)
<i>TesLab Laboratory</i>	Environmental reports n. 19A284F (2019-12-28) acc. to EN 54-17:2005+AC:2007 n. 19A285F (2019-12-19) acc. to IEC 60092-504:2016

MD 9831 and MD 9831-SCI Manual call points (IP66)

Microdata Due reference documents:

Technical description	n. ST23511 Rev. D
Data sheets	n. D29066 rev. E
Software description	n. D23592-0 Rev. A
Comparative document	n. D30100 Rev. 0
Risk assessment	n. D36685 Rev.0
Drawings	n. 27746-S_EDA, 27746-S-03-0, 27746-S-07-0, 27746-S-10-0, 27746-S-50-0, 26568-B
Test List And Test Report reference	n. AS29769-BTB Board for manual call point (MCP)
Bre Certification Ltd and LPCB	EC-Certificate of EN54-11 Conformity: n° 0832-CPD-0744, and n° 0832-CPD-0905

Test reports:

<i>TesLab Laboratory</i>	Test report n. 051014F-3, (17/05/2005)
<i>TesLab Laboratory</i>	EMC Test report (EMC_60092-504_2016) n. 17B302E-a
<i>TesLab / Microdata Due</i>	Functional Test report: n. 0974-17 (28/11/2017)
<i>TesLab Laboratory</i>	Environmental reports n. 19A284F (2019-12-28) acc. to EN 54-17:2005+AC:2007 n. 19A285F (2019-12-19) acc. to IEC 60092-504:2016

