DNV·GL

Certificate No:
MRA000001B

EU RO MUTUAL RECOGNITION TYPE APPROVAL CERTIFICATE

This Certificate is issued to

ISIC A/S

BRABRAND, Denmark

for
Monitors, Terminals

with type designation(s)
DuraMON 55 GLASS

The product is found to comply with
EU RO Mutual Recognition Technical Requirements for Display Monitors, Video Screens, Terminals

Intended service
Display for alarm and monitoring systems subject to classification.

The monitors have been verified for compliance with EU Mutual Recognition Technical Requirements for display monitors, video screens, terminals version 0.3 dated 2016-04-01. Applicable tests for protected equipment according to IEC 60945 (Fourth edition - 2002) including Corrigendum 1 have additionally been verified.

This Certificate is valid until **2022-08-14**.

Issued at **Høvik** on **2017-08-15**
DNV GL local station: **Aalborg**

for **DNV GL**

Approval Engineer: **Ståle Sneen**

Odd Magne Nesvåg
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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Job Id: **262.4-000088-1**
Certificate No: **MRA000001B**

Product description

ISIC 55” Marine Monitor w/Glass front panel:

Model name	Part No.	Description
DuraMON 55 GLASS	08055-XXX	55” WS UHD (16:9) Marine Monitor w/Glass front panel

XXX designate OEM variants of the product. The variants will include optional OEM logo.

Technical information:
- Power 90-260 VAC 50/60 Hz (marine approved for 115-230 VAC nominal voltage)
- Video inputs 1 x VGA, 1 x DVI-D, 2 x Display Port 1.2a, 2 x HDMI 1.4

Options:
- VESA Wall mount 400x350 mm
- Electrical adjustable tilt and lift
- PCAP multi touch option

Compass safe distance measurements:
DuraMON 55 GLASS: Standard 560 cm. Steering 360 cm.

Overview of tested hardware/firmware including name and versions are listed in ISIC’s statement "Additional comments / document overview - new certificate", dated 2017-07-12.

Manufactured by

ISIC A/S
Edwin Rahrs Vej 54
DK-8220 Brabrand

Application/Limitation

The Type Approval covers all hardware listed under Product description. The display monitor is intended for use in alarm and monitoring systems subject to classification.

The monitor is available with touch screen functionality, which is beyond the scope of this approval. The touch screen hardware has been verified according to the EU MR Technical Requirements for display monitors, video screens, terminals, but any use of touch functionality in classed applications needs to be verified through functional testing.

Type Approval documentation

Marking of product

Manufacturer's name: ISIC
Type No.: Model name as listed under product description
Unique serial No.
Year of manufacture: YYYY
(Additionally to the year of manufacture, year and week of production is included in the serial No.)
Power supply ratings: Mains voltage as listed under product description + Mains current

Other conditions

The monitors have been verified for compliance with EU Mutual Recognition Technical Requirements for display monitors, video screens, terminals version 0.3. Applicable tests for protected equipment according to IEC 60945 (Fourth edition - 2002) including Corrigendum 1 have additionally been verified.

Environmental test parameters
Temperature: -15°C and 55°C
Vibration: ±1mm / 0.7g
EMC: All locations including bridge and open deck
Enclosure: IP22 standalone (IP ratings according to IEC 60529)

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or materials.

The main elements of the assessment are:

- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines
- Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications
- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
- Ensuring traceability between manufacturer's product type marking and the type approval certificate

Periodical assessment is to be performed annually and at renewal of this certificate.

END OF CERTIFICATE