



Polski Rejestr Statków

TYPE APPROVAL CERTIFICATE

This is to certify that the undernoted product type

SUPERVISION AND CONTROL UNITS

M1000 - Alarm Annunciator
M2000 - Engine Controller
M2100 - Emergency Controller

issued to

Littelfuse Selco A/S
Betonvej 10
DK-4000 Roskilde
Denmark

is approved as complying with the requirements of the

PRS Rules for Classification and Construction of Sea-going Ships.

Certificate No. TE/2048/880462/15

Expiry date 2020-02-10

Issued at

Gdańsk, 2015-02-11

Signature

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Continued overleaf

Technical data

Rated supply voltage:

M1000: 12-24 VDC / 48-110 V DC;

M2000, M2100: 12 VDC / 24 VDC.

Outputs rated current (each unit): max 150 mA per channel/output.

Degree of protection of front side (each unit): IP32 / IP54.

Additional technical data of M1000 unit:

Alarm delay: programmable.

Resistance in sensing cable: max. 1000 Ω .

Ambient temperature (each unit): -10 .. +70 °C.

Basis of approval

1. The technical documentation approved by PRS on 2015-02-09.
2. The inspection of the production process and quality control system carried out in February 2015.
3. The Quality Management System Certificates No. DK004591 valid until 2017-09-22.
4. Reports from environmental and EMC tests carried out acc. to PRS Publication 11/P.
5. Tests carried out in presence of PRS Surveyor in February 2015.
6. PRS Survey Report No. TM/PU/03/15 issued on 2015-02-09.
7. The previous PRS Type Approval Certificate No. TE/1845/880462/10.

Notes

1 The approval is valid only when the product is used in accordance with the manufacturer's conditions.

2 Changes of product design and materials which influence product quality are to be agreed with PRS.

3 Type Approval Certificate will be cancelled in the case of dissatisfactory service results, modifications made in the product structure or materials without PRS' consent, not advising PRS of the manufacturer's name change.

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