TYPE APPROVAL CERTIFICATE

Certificate no.:
TAA0000364
Revision No:
5

This is to certify:

that the Network and Communication Components

with type designation(s)
Lynx 3000 Series Industrial Ethernet Switches

issued to
Westermo Network Technologies AB
Stora Sundby, **Sweden**

is found to comply with
DNV rules for classification – Ships, offshore units, and high speed and light craft

Application:

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Location classes:

Temperature	**D / B. See page 2.**
Humidity	**B**
Vibration	**A**
EMC	**B**
Enclosure	**A / IP40**

Issued at **Høvik** on **2026-06-05**

This Certificate is valid until **2027-08-14**.
DNV local unit: **Sweden CMC**

Approval Engineer: **Nikolai Arntzen**

for **DNV**
This document has been digitally signed and will therefore not have handwritten signature

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.

Product description

Westermo Lynx Industrial Ethernet Switches, comprising the following units:

Art. No.	Type Designation	Rated Voltage	Description Ports
3627-0500 3627-1500	Lynx 3510-F2G-P8G-LV	54 VDC	2 x 1 Gbit/s, Ethernet FX, SFP 8 x 10/100/1000 Mbit/s, Ethernet TX, RJ-45, PoE Temperature rating: -40°C to +70°C
3627-0510 3627-1510	Lynx 3510-E-F2G-P8G-LV		
3627-1501	Lynx 3510-F2G-P8G-LV-CC	54 VDC	2 x 1 Gbit/s, Ethernet FX, SFP 8 x 10/100/1000 Mbit/s, Ethernet TX, RJ-45, PoE Temperature rating: -40°C to +70°C Coated boards
3627-1511	Lynx 3510-E-F2G-P8G-LV-CC		
3627-0502	Lynx 3510-F2G-P8G-LV-CT	54 VDC	2 x 1 Gbit/s, Ethernet FX, SFP 8 x 10/100/1000 Mbit/s, Ethernet TX, RJ-45, PoE Temperature rating: -10°C to +70°C
3627-0512	Lynx 3510-E-F2G-P8G-LV-CT		
3627-0520 3627-1520	Lynx 3510-F2G-T8G-LV	24-48 VDC	2 x 1 Gbit/s, Ethernet FX, SFP 8 x 10/100/1000 Mbit/s, Ethernet TX, RJ-45 Temperature rating: -40°C to +70°C
3627-0530 3627-1530	Lynx 3510-E-F2G-T8G-LV		
3627-1521	Lynx 3510-F2G-T8G-LV-CC	24-48 VDC	2 x 1 Gbit/s, Ethernet FX, SFP 8 x 10/100/1000 Mbit/s, Ethernet TX, RJ-45 Temperature rating: -40°C to +70°C Coated boards
3627-1531	Lynx 3510-E-F2G-T8G-LV-CC		
3627-0540 3627-1540	Lynx 3510-F2G2.5-T8G-LV	24-48 VDC	2 x 2.5 Gbit/s, Ethernet FX, SFP 8 x 10/100/1000 Mbit/s, Ethernet TX, RJ-45 Temperature rating: -40°C to +70°C
3627-0550 3627-1550	Lynx 3510-E-F2G2.5-T8G-LV		
3627-1541	Lynx 3510-F2G2.5-T8G-LV-CC	24-48 VDC	2 x 2.5 Gbit/s, Ethernet FX, SFP 8 x 10/100/1000 Mbit/s, Ethernet TX, RJ-45 Temperature rating: -40°C to +70°C Coated boards
3627-1551	Lynx 3510-E-F2G2.5-T8G-LV-CC		
3627-0560 3627-1560	Lynx 3310-F2G-T8-LV	24-48 VDC	2 x 1 Gbit/s, Ethernet FX, SFP 8 x 10/100 Mbit/s, Ethernet TX, RJ-45 Temperature rating: -40°C to +70°C
3627-0570 3627-1570	Lynx 3310-E-F2G-T8-LV		
3627-1561	Lynx 3310-F2G-T8-LV-CC	24-48 VDC	2 x 1 Gbit/s, Ethernet FX, SFP 8 x 10/100 Mbit/s, Ethernet TX, RJ-45 Temperature rating: -40°C to +70°C Coated boards
3627-1571	Lynx 3310-E-F2G-T8-LV-CC		
3627-0580 3627-1580	Lynx 3510-F2G2.5-P8G-LV	54 VDC	2 x 2.5 Gbit/s, Ethernet FX, SFP 8 x 10/100/1000 Mbit/s, Ethernet TX, RJ-45, PoE Temperature rating: -40°C to +70°C
3627-0590 3627-1590	Lynx 3510-E-F2G2.5-P8G-LV		
3627-0600 3627-1600	Lynx-3306-F4G-T4-LV	24-48 VDC	2 x 1 Gbit/s, Ethernet FX, SFP 4 x 10/100 Mbit/s, Ethernet TX, RJ-45 Temperature rating: -40°C to +70°C
3627-0610 3627-1610	Lynx-3306-E-F4G-T4-LV		
3627-0620	Lynx-3510-F4G-T6G-LV	24-48 VDC	4 x 1 Gbit/s, Ethernet FX, SFP 6 x 10/100/1000 Mbit/s, Ethernet TX, RJ-45 Temperature rating: -40°C to +70°C
3627-0630	Lynx-3510-E-F4G-T6G-LV		
3627-0621	Lynx-3510-F4G-T6G-LV-CC	24-48 VDC	4 x 1 Gbit/s, Ethernet FX, SFP 6 x 10/100/1000 Mbit/s, Ethernet TX, RJ-45 Temperature rating: -40°C to +70°C Coated boards
3627-0631	Lynx-3510-E-F4G-T6G-LV-CC		
3627-0640	Lynx-3510-F2G2.5-F2G-T6G-LV	24-48 VDC	2 x 1 Gbit/s, Ethernet FX, SFP 2 x 2.5 Gbit/s, Ethernet FX, SFP 6 x 10/100/1000 Mbit/s, Ethernet TX, RJ-45 Temperature rating: -40°C to +70°C
3627-0650	Lynx-3510-E-F2G2.5-F2G-T6G-LV		
3627-0641	Lynx-3510-F2G2.5-F2G-T6G-LV-CC	24-48 VDC	2 x 1 Gbit/s, Ethernet FX, SFP 2 x 2.5 Gbit/s, Ethernet FX, SFP 6 x 10/100/1000 Mbit/s, Ethernet TX, RJ-45 Temperature rating: -40°C to +70°C Coated boards
3627-0651	Lynx-3510-E-F2G2.5-F2G-T6G-LV-CC		

Art. No.	Type Designation	Rated Voltage	Description Ports
3627-0680	Lynx-3512-F2G-T8G-S2-LV	24-48 VDC	2 x 1 Gbit/s, Ethernet FX, SFP 8 x 10/100/1000 Mbit/s, Ethernet TX, RJ-45 1 x non-configurable RS232, RJ45 1 x configurable RS232/RS422/RS485, RJ45 Temperature rating: -40°C to +70°C
3627-0690	Lynx-3512-E-F2G-T8G-S2-LV		

Dielectric strength – signal to other isolated ports: 1.5 kVAC
Dielectric strength – power and PoE to other isolated ports: 2.25 kVDC

Westermo SFP transceivers are covered by type approval certificate TAA000006B.

Manufactured by

Westermo Network Technologies AB
Wij 4,
635 35 Stora Sundby,
Sweden

Approval conditions

The Type Approval covers hardware listed under Product description. When the hardware is used in applications to be classed by DNV, documentation for the actual application is to be submitted for approval by the manufacturer of the application system in each case. Reference is made to DNV rules for classification of ships Pt.4 Ch.9 Control and monitoring systems.

Application/Limitation

Compass safe distance for all units: Standard: 15 cm, Steering: 10 cm.

Shielded CAT6 Ethernet cable is required to fulfil class requirements for EMC.

The following applies only for switches with rated voltage 54 VDC:

- Supply voltage needs to be in the range 53~58 VDC,
- DC power supply of approved type shall be used with the product.

Type Approval documentation

User guide: Lynx 3000 Series: 6627-2210 Rev. I, dated 2025-11
Lynx 3000 Series: 6627-2210 Rev. 260416, dated 2026-04
Data sheet: Lynx 3000 Series Rev. O, dated 2025-11
Lynx 3000 Series Gen 2 Rev. A, dated 2026-04
Test reports: DELTA 621-20261-10-R1, dated 2022-08-11,
DELTA 621-20261-30_R0, dated 2022-03-10,
DELTA 621-20261-31_R0, dated 2022-03-28,
DELTA 621-20261-32_R0, dated 2022-04-08,
DELTA 622-20283-10-R0, dated 2023-01-10,
DELTA 622-20283-30 R0, dated 2023-01-19,
DELTA 623-20078-10-R0, dated 2023-04-17,
DELTA 625-20069-10-R1, dated 2025-05-27,
DELTA 625-20069-30 R0, dated 2025-03-25,
DELTA 625-20263-10-R0, dated 2026-01-12,
DELTA 625-20263-30-R0, dated 2026-01-14,
DELTA 625-20263-31-R0, dated 2026-01-14.

TA renewal assessment report for Westermo Network Technologies AB, DNV Sweden CMC 2025-05-27.

Tests carried out

Applicable tests according to class guideline DNV-CG-0339, August 2021.
15 g, 11 ms shock test according to IEC 60068-2-27:2008.
'Compass safe distance' was measured according to section 11.2 of IEC 60945:2002.

Marking of product

Westermo
Art. No. and Type as listed under Product description
Unique serial number
Power supply voltage and current rating

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 after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE