

TYPE TEST CERTIFICATE OF COMPLETE TYPE TESTS

Object Communication networks and systems for power utility automation

Certificate No.
103602703-25

Revision 0

Type IEC 61850-3 and IEEE 1613 Redundancy Box
Lynx-RB-FT3G-MV



Manufacturer Westermo Network Technologies AB,
Metallverksgatan 6,
721 30 Västerås, Sweden
(location as declared by the manufacturer)

Production location Westermo Network Technologies AB,
Wij 4,
635 35 Stora Sundby, Sweden
(location as declared by the manufacturer)

The test object, constructed in accordance with the description, drawings and photographs incorporated in the documents forming part of this Certificate, has been subjected to the series of proving tests in accordance with

EN 61850-3:2014, IEC 61850-3:2013

This Certificate is based on the report(s) listed in the report list in this Certificate.

The values obtained and the general performance are considered to comply with the above standard(s) and to justify the ratings assigned by the manufacturer as listed in this Certificate.

This Certificate applies only to the individual object tested. KEMA Labs makes no representations or warranties with respect to any device other than the object tested. It is the responsibility of the applicable device manufacturer to ensure that any other devices or units having the same name and descriptions as the test object are identical.

This Certificate comprises 7 pages in total.

Issued by KEMA B.V.
Klingelbeekseweg 195,
Arnhem, The Netherlands

Marten Dekker
Operations Director Netherlands

Arnhem, July 2, 2025



REVISION OVERVIEW

The edition with the highest revision number always replaces the earlier editions issued.

Rev. No.	Date of issue	Page no. and changes
0	July 2, 2025	First issue

REPORT LIST

This Certificate is issued based on the following report(s).

Report number	Revision	Variant	Firmware version
103602702-25	0	Lynx-RB-FT3G-MV	ptwos-boot-byron-ptwos-2024.1

1 IDENTIFICATION OF THE OBJECT

1.1 Description of the object

The test samples are selected and provided to KEMA Labs by the manufacturer.

Manufacturer	Westermo Network Technologies AB, Metallverksgatan 6, 721 30 Västerås, Sweden
Object	Communication networks and systems for power utility automation
Type	IEC 61850-3 and IEEE 1613 Redundancy Box Lynx-RB-FT3G-MV
Production location	Westermo Network Technologies AB, Wij 4, 635 35 Stora Sundby Sweden, Sweden

1.2 Ratings/characteristics assigned by the manufacturer

The information below has been provided by the manufacturer/derived from the technical data.

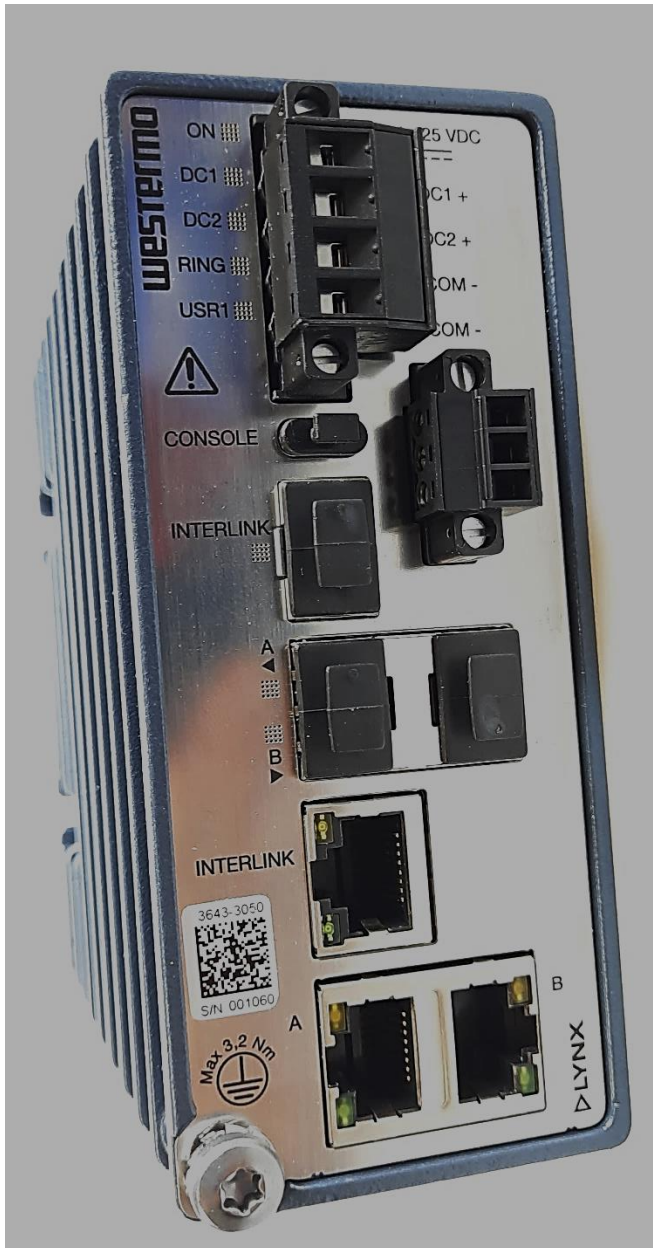
Rated auxiliary power supply port energizing voltage	24 - 125 Vdc
Rated binary output voltage	19,2 - 137,5 Vdc
Rated ambient temperature range operating	-40 to 70 °C
Rated ambient temperature range storage	-40 to 85 °C

Number of ethernet ports	3 x 100/1000 Mbps copper ports
Number of optical ports	3 x 1000 Mbps SFP ports

Classifications

IP-class	IP 2X Front IP 4X Rear IP 4X Left, Right, Bottom, Top
Mechanical class	2
EMC emission class	A
EMC immunity zone	
Location	G power stations and MV substations H HV substations P “protected” areas
Signal connections	L Local connections f Field connections h HV equipment connections t telecommunication p “protected” areas
Overvoltage category	III
Pollution degree	2
Insulation type	Power supply to chassis Basic Power supply to other Reinforced Ethernet to Other Basic Output relay to chassis Basic Output relay to other Reinforced

2 PHOTOGRAPHS



Lynx-RB-FT3G-MV

3 VARIANTS AND ACCESSORIES

Overview of variants and accessories with details:

Type	Name	Software version
Lynx-RB-FT3G-MV	IEC 61850-3 and IEEE 1613 Redundancy Box	ptwos-boot-byron-ptwos-2024.1

END OF DOCUMENT

The laboratories of KEMA Labs are:

- CESI S.p.A., Milan, Italy.
- FGH Engineering & Test GmbH, Mannheim, Germany.
- IPH Institut "Prüffeld für elektrische Hochleistungstechnik" GmbH, Berlin, Germany.
- KEMA B.V., Arnhem, The Netherlands.
- KEMA Labs, Zkušebníctví, a.s., Prague, the Czech Republic.
- KEMA-Powertest, LLC, Chalfont, United States.

