



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx BAS 13.0135X issue No.:2

Status: **Current**

Certificate history:

Issue No. 2 (2015-2-18)

Issue No. 1 (2014-3-25)

Issue No. 0 (2014-1-10)

Date of Issue: **2015-02-18** Page 1 of 4

Applicant: **Westermo Teleindustri AB**
SE-640 40 Stora Sundby
Sweden

Electrical Apparatus: **Lynx Industrial Ethernet Switches & Lynx DSS Industrial Ethernet Device Servers**
Optional accessory:

Type of Protection: **Type of Protection 'n' & Optical Radiation 'op is'**

Marking: **Ex nA [op is T4] IIC T3 Gc (-40°C ≤Ta ≤ +70°C) – Models fitted with Optical Transceiver Modules**
Ex nA IIC T3 Gc (-40°C ≤Ta ≤ +70°C) – Models not fitted with Optical Transceiver Modules
See Equipment Description for Details

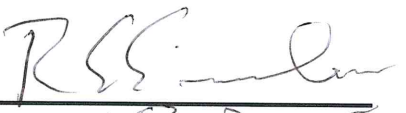
*Approved for issue on behalf of the IECEx
Certification Body:*

R.S. Sinclair

Position:

General Manager

*Signature:
(for printed version)*


18-2-15

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

SGS Baseefa Limited
Rockhead Business Park
Staden Lane
Buxton
Derbyshire
SK17 9RZ
United Kingdom





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Manufacturer: **Westermo Teleindustri AB**
SE-640 40 Stora Sundby
Sweden

Additional Manufacturing location
(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-15 : 2010 Edition: 4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
IEC 60079-28 : 2006-08 Edition: 1	Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

GB/BAS/ExTR13.0195/00
GB/BAS/ExTR15.0040/00

GB/BAS/ExTR13.0303/00

GB/BAS/ExTR14.0071/00

Quality Assessment Report:

GB/BAS/QAR13.0020/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Lynx and Lynx DSS Industrial Ethernet Switches are designed for use in harsh environments providing a communication interface using fibre optic, multi and single mode trans-receivers in a network. The Lynx DSS also integrates a Device Server and includes two additional serial ports to allow interconnection with legacy equipment.

Both Lynx & Lynx DSS comprise a DIN rail mounted enclosure containing a power supply and a switch board. Both are supplied via dual power supply terminals which support redundancy power connection to the equipment. Both also have a digital I/O interface to allow the equipment's status to be reported to external equipment and external events to be monitored and a console port to allow connection to a Command Line Interface (CLI) for service and upgrading of the equipment.

The Switch board fitted in the Lynx provides up to eight 10/100Base Ethernet TX and up to two 100/1000 Mbit/s Ethernet Small Form-factor Pluggable (SFP) transceivers ports on the front of the enclosure. The Switch Board fitted in the Lynx DSS provides up to four 10/100Base Ethernet TX, up to two 100/1000 Mbit/s Ethernet SFP transceivers ports and two serial ports (one RS-232 and one configurable RS-232/422/485) for network connections with a USB port provided for upgrade and configuration of the equipment. Where fitted, the Lynx & Lynx DSS SFP ports can be only fitted with one of a number of Westermo Optical Transceiver modules.

See the Certificate Annex for details of the Model range, input parameters and list of the Westermo Optical Transceiver modules that can be fitted in the SFP ports.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The equipment must be installed in an area of not more than pollution degree 2 in accordance with IEC 60664-1, and in an enclosure that provides a minimum degree of protection of at least IP54 and complies with the relevant requirements of IEC 60079-0 and IEC 60079-15.

2. External connections to the equipment and, where applicable, the SFP modules must not be inserted or removed unless either the area in which the equipment is installed is known to be non-hazardous, or the circuits connected have been de-energised.

3. The network cables once installed must be properly fixed by the use of cable ties or similar to reduce the risk of accidentally withdrawing the plugs.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Variation 2.1

To permit minor component changes to the switch boards fitted in all variants of the Lynx & Lynx DSS Industrial Ethernet Switches. These changes are assessed not to affect the original assessment.

ExTR: **GB/BAS/ExTR15.0040/00**

File Reference: **14/1004**