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 15.0066X** issue No.:0	Certificate history:
Status:	**Current**	
Date of Issue:	**2015-09-11** Page 1 of 3	
Applicant:	**Westermo Teleindustri AB** SE-640 40 Stora Sundby **Sweden**	
Electrical Apparatus: *Optional accessory:*	**Redfox Industrial Routing Switches**	
Type of Protection:	**Type of Protection 'n'**	
Marking:	**Ex nA IIC T4 Gc (-40°C ≤ Ta ≤ +70°C)** **or Ex nA [op is T4] IIC T3 Gc (-40°C ≤ Ta ≤ +70°C)** **See Certificate Annex for Model Details**	

Approved for issue on behalf of the IECEx
Certification Body:
R. S. Sinclair   PP DBREARLEY

Position:
Technical Manager

Signature:
(for printed version)

Date:
11/9/15

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.

Certificate issued by:
SGS Baseefa Limited
Rockhead Business Park
Staden Lane
Buxton
Derbyshire
SK17 9RZ
United Kingdom

SGS Baseefa

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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/ExTR15.0158/00

Quality Assessment Report:

GB/BAS/QAR13.0020/01

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Schedule

EQUIPMENT:
Equipment and systems covered by this certificate are as follows:

The Redfox Industrial Routing Switches are a range of high performance Ethernet switches designed to provide a secure communication interface using fibre optic, multi and single mode trans-receivers in a network. The range offers a number of Ethernet interface combinations that can be tailored for given network application. The Redfox is also able to provide secure remote access to these networks across unsecured connections by acting as a VPN endpoint.

The Redfox Industrial Routing Switches comprise either a two or three slot metallic enclosure that can be either DIN Rail or wall mounted. The first slot of all variants contains power supply and CPU modules. The equipment is supplied via dual power supply terminals which support redundancy power connection to the equipment. All variants of the equipment have a digital I/O interface to allow the equipment's status to be reported to external equipment and external events to be monitored. The CPU module provides three 10/100/1000 Mbit/s Ethernet TX ports for connection, as well as a USB port and micro-USB Console port for connection for servicing and upgrading the equipment.

The second, and where applicable, third slot of the equipment house Ethernet Interface modules comprising a combination of 10/100/1000 Mbit/s Ethernet TX ports and sockets for the fitting of a range of 100/1000 Mbit/s Ethernet FX or TX Small Form-factor Pluggable (SFP) transceivers. The number and configuration of these is dependent on the Redfox Model.

See Certificate Annex for model details, electrical parameters and a list of approved Ethernet FX or TX Small Form-factor Pluggable (SFP) transceivers that can be used with the equipment fitted with 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 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 accidently withdrawing the plugs.