

## CERTIFICATE

Certificate Id: 2PAA105819 \_ Sixnet SL-5ES-1

Category:	Unmanaged Industrial Ethernet Switch
Product Name:	SL-5ES-1
Software Version:	N/A
Hardware Version:	-
Vendor:	Sixnet Sixnet Technology Park 331 Ushers Road, Ballston Lake NY 12019 USA
Certification Test Report:	3BSE061059
Certification reference:	System 800xA Version 4.x, 5.x
Restrictions:	-

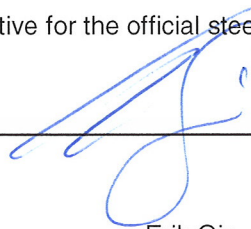
The certificate states that the product specified above has passed the test towards the specified integration category. The certification has been performed by an official certification center, approved by the official steering body for the Industrial IT Certification.

The basis for the certificate is documented according to the Industrial IT Certification – Document Number 3BSE037356. The certificate is valid for the above mentioned Product versions until the next major release of the certified product or the certification reference system with a major release of the certified product or the reference system, a new certification is required to keep the certificate current.

ABB AB  
721 59 Vasteras, Sweden

Date: 2010-01-20

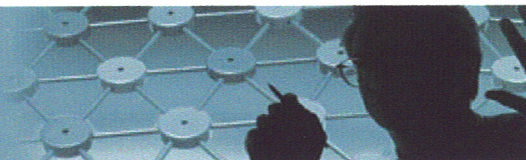
Representative for the official steering body for the Industrial IT Certification



Erik Oja

# SL-5ES-1

Industrial<sup>IT</sup> Certification



## Unmanaged Switch

- Auto-sensing for speed and duplex
- Intelligent message routing-No collision
- Fast wire speed switching
- Full or half duplex operation with flow control supported on all ports
- Auto-sensing for speed and duplex

Certification results and product details are summarized below:

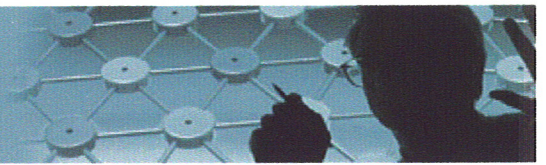
Product Overview	
Fast Ethernet	5 RJ45 Ports 10/100 Base TX
Gigabit Ethernet	No
Compact Flash Interface	No
Console	No
System LED Indicator	Power, Speed, Link
Alarm Contact	No
Digital Inputs	No
Input Voltage	Redundant Input voltage 10-30 V DC
Operating temperature	-10°C to +60°C
Connection	Removable 4-pin terminal block
Power Consumption	2 W
Casing	IP30
Installation	DIN Rail Mounting or direct to panel

Product Details in tested sample	
Fast Ethernet	5 RJ45 10/100 Base TX
Gigabit Ethernet	No
Afw-file	Yes
Models included in test	SL-5ES-1

Engineering	
Configuration and installation	Unmanaged

# SL-5ES-1

Industrial<sup>IT</sup> Certification



**Sixnet**

SOLUTIONS FOR YOUR INDUSTRIAL NETWORKING CHALLENGES



## Designed for Industrial Applications

The SL-5ES-1 is a 5 port industrial Ethernet Unmanaged switch that provides advanced performance that enables to achieve real-time deterministic operation.

The ruggedized switches are industrial hardened to provide superior reliability.

The SL-5ES-1 switch closely supports the 800xA Extended Automation System Value Propositions as noted below:

## 800xA Value Proposition Mapping



### Reducing Risk through High Integrity Automation

- Adapted for Industrial Ethernet
- Mechanical form factor improves lifetime



### Investment Enhancement through Evolution

- Continuation in product development