

CERTIFICATE

Certificate Id: 2PAA105942_Hirschmann RS40

Category:	Managed Switch
Product Name:	RS40
Software Version:	04.2.03
Hardware Version:	-
Vendor:	Hirschmann Automation and Control GmbH Stuttgarter Str 45-51 72654 Neckartenzlingen, Germany

Certification Test Report:	3BSE061613
Certification reference:	System 800xA Version 4.x, 5.x
Restrictions:	-

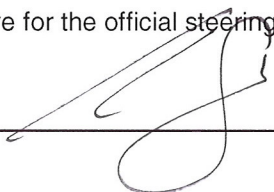
The certificate states that the product specified above has passed the test towards the specified integration category. The certification has been performed by an official certification center, approved by the official steering body for the Industrial IT Certification.

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: 2010-02-11

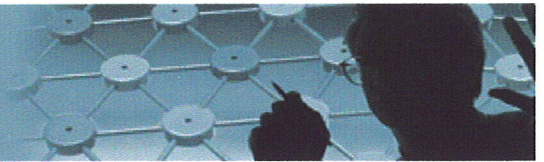
Representative for the official steering body for the Industrial IT Certification



Erik Oja

RS40

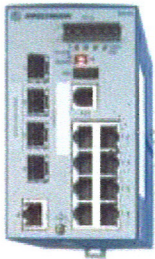
Industrial^{IT} Certification



HIRSCHMANN

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Managed Switch



- HiPER-Ring Fast Recovery Redundancy
- RSTP for multi-vendor networks.
- Redundant power supply and fault contact
- USB Port for Fast Program Restore
- Port Mirroring
- VLAN for segregation
- Browser based configuration

Certification results and product details are summarized below:

Product Overview

Gigabit Ethernet	Four Combo Ports 10/100/1000 BaseTX RJ45/ fiber optic SFP Five 10/100/1000 BaseTX RJ45
Compact Flash Interface	USB interface
Console	V.24 Interface (serial interface on RJ11 socket)
System LED Indicator	PWR, Redundancy Manager, Stand by, Fault, Relay, Port status
Alarm Contact	Yes, 1 A max 24 V DC or 24 V AC
Digital Inputs	No
Input Voltage	Redundant Input Voltage 24 V DC
Operating temperature	0°C to +60°C
Connection	6-pin pluggable terminal block
Power Consumption	20 W
Casing	IP20
Installation	DIN Rail

Product Details in tested sample

Gigabit Ethernet	Four Combo Ports 10/100/1000 BaseTX RJ45/ fiber optic SFP Five 10/100/1000 BaseTX RJ45
Afw-file	Yes
Models included in test	RS 40

Engineering

Configuration and installation	Web server or terminal interface.
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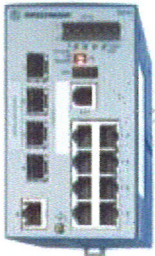
RS40

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Designed for Industrial Applications

Switch RS40 is a Gigabit Open Rail switch which combines concentrated Gigabit performance with high flexibility via 4 Combo ports. The switch is designed for industrial automation and they operate without fans and have redundant voltage supply. It can be easily managed via a Web browser, via Telnet, with a management software product (such as Industrial HiVision) or locally on the switch (V.24 interface).

The RS40 switch closely supports the 800xA Extended Automation System Value Propositions as noted below:

800xA Value Proposition Mapping

✓	Reducing Time to Decision and Action - Detailed performance information can be retrieved from the management interface
✓	Engineering for Maximum Performance - High level configuration via management modules - Number of options available for different configuration needs
✓	Reducing Risk through High Integrity Automation - Adapted for Industrial Ethernet - Mechanical form factor improves lifetime
✓	Integrating Information for Improved Visibility - Diagnostic information available via web interface - Auxiliary contact for independent error reporting
✓	Investment Enhancement through Evolution - Continuation in product development