

CERTIFICATE

Certificate Id: 2PAA108658_Harting_Ha-VIS FTS 3000

Category:	Managed Switch
Family Name:	Ha-VIS FTS 3000
Vendor:	HARTING
Certification Test Report:	3BSE069500
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 Västerås, Sweden

Date: 2012-04-04

Representative for the official steering body for the Industrial IT Certification



Erik Oja

Harting Ha-VIS FTS 3000

Industrial^{IT} Certification



Pushing Performance



Managed Switch

The Fast Ethernet Switches of the product family Ha-VIS FTS 3000 can identify automation profiles (e.g. PROFINET, Ethernet/IP, Modbus TCP and customized profiles), accelerate their data transmission and prefer them. They are suitable for industrial applications.

Certification results and product details are summarized below:

Product Overview	
Family Name	FTS 3000
Ethernet	10/100Base-T(X)
PoE	No
Model	DIN-rail
System LED Indicator	Status Link, Data transfer (Act), Data transfer rate (speed)
Input Voltage	24 VDC
Environment	-40 to +70 °C (FTS 3060-A), 0 to 60°C (FTS 3082-ASFP), 0 to 70°C (FTS 3100-A), 30-95 % humidity, IP 30
Management	Web interface, SNMP (v1, v2c, v3)
Features	Metal housing, VLANs, QoS, RSTP, IGMP snooping, port security

Product Details in tested sample	
Tested Sample	FTS 3100-A, 10 RJ45
Hardware version	R27.1
Software version	2.2.2.26

Family members	
FTS 3060-A	6 RJ45
FTS 3100-A	10 RJ45
FTS 3082-ASFP	8 RJ45, 2 SFP module slots

Engineering	
Configuration and installation	Web interface

Industrial^{IT}
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Harting Ha-VIS FTS 3000

Industrial^{IT} Certification



Pushing Performance



Benefits of the Harting Ha-VIS FTS 3000:

The Ha-VIS FTS 3000 family are designed for an effective industrial and individual use. They support both SNMP and an easy web interface for management functions.

- EMC, temperature range and mechanical stability meet the toughest demands
- Individually configurable via USB port
- Robust metal housing
- Deterministic data transfer for selected profiles
- Identification, acceleration and preference for automation frames

The Harting Ha-VIS FTS 3000 closely supports the 800xA Extended Automation System Value Propositions as noted below:

800xA Value Proposition Mapping

✓	Reducing Time to Decision and Action
	- Easy to configure.
	- Detailed performance information can be retrieved from the management interface
✓	Engineering for Maximum Performance
	- High level configuration available via management interface
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✓	Reducing Risk through High Integrity Automation
	- Adapted for Industrial Ethernet
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✓	Integrating Information for Improved Visibility
	- Diagnostic information available via web interface
	- Status information or alarm indication via SNMP
✓	Investment Enhancement through Evolution
	- Continuation in product development
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