

# CERTIFICATE

Certificate Id: 2PAA108942\_ABB\_AFS65X

Category:	Managed Switch
Product Name:	ASF65X
Vendor:	ABB AB
Certification Test Report:	2PAA108942
Certification reference:	System 800xA Version 4.x, 5.x
Restrictions:	-

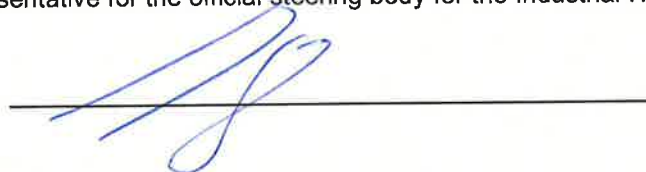
The certificate states that the product specified above has passed the test towards the specified integration category. The certification has been performed by an official certification center, approved by the official steering body for the Industrial IT Certification.

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: 2012-05-30

Representative for the official steering body for the Industrial IT Certification



Erik Oja

# ABB AFS65X

Industrial<sup>IT</sup> Certification



## Managed Switch

- DIN Rail mounted managed Ethernet switch (wall mounting possible)
- Metal housing
- Up to 10 ports (electrical, optical or SFP cages)
- Up to 3 GbE ports (electrical, SFP or Combo ports)
- Multimode and Single Mode versions available
- Huge variety on optical ports (e.g. SFP cages, SC, ST)
- SFP's in various versions available (MM, SM, single fibre)
- Low voltage (18 - 60 VDC) or high voltage (48 - 320 VDC, 90 - 265 VAC) power supply
- Redundant power supply possible
- Typical power consumption: 12 - 21 W

Certification results and product details are summarized below:

Product Overview	
<b>Ethernet</b>	Up to 10 ports (FE GbE)
<b>Compact Flash Interface</b>	Auto Configuration Adapter ACA 21-USB
<b>Console</b>	V.24 interface (Serial interface on RJ11)
<b>System LED Indicator</b>	PWR, Redundancy Manager, Stand by, Fault, Relay, Link Status
<b>Alarm Contact</b>	Yes, Two 2-pin terminal block
<b>Digital Inputs</b>	No
<b>Input Voltage</b>	Redundant Input voltage 18 to 60 V DC or 48 to 320 VDC or 90 to 265 VAC
<b>Operating temperature</b>	Standard 0 °C to +60 °C Extended -40 °C to +85 °C
<b>Connection</b>	Two removable 2-pin terminal block
<b>Power Consumption</b>	12-21 W
<b>Casing</b>	IP30
<b>Installation</b>	DIN Rail, Wall Mount

Family members	
<b>AFS650</b>	10 port Fast Ethernet switch
<b>AFS655</b>	10 port Gigabit Ethernet switch

Engineering	
<b>Configuration and installation</b>	Web server or terminal interface.

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## Designed for Industrial Applications

The devices are designed for industrial automation. They meet the relevant industry standards, provide high operational reliability, long-term reliability and flexibility. The devices operate without fans and have a redundant voltage supply.

These devices are utility grade products, specially designed for substation environments, and has a very high system availability.

They can be easily managed via a Web browser, via Telnet, with a management software product or locally on the switch (V.24 interface).

The ABB AFS65X switches closely supports the 800xA Extended Automation System Value Propositions as noted below:

## 800xA Value Proposition Mapping

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