

CERTIFICATE

Certificate Id: 2PAA108345 _MICROSENS_MS655XXX

Category:	Unmanaged Switch
Product Name:	MS655XXX
Vendor:	MICROSENS.
Certification Test Report:	3BSE068367
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.

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Date: 2011-12-05

Representative for the official steering body for the Industrial IT Certification


Erik Oja

MICROSENS MS655XXX

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Unmanaged Switch

The Entry Line switches offer the full Gigabit performance on all ports. The switches has, depending on the version, up to eight RJ-45 ports and two SFP slots, which can be used alternatively to two RJ-45 ports (dual media). For the SFP slots MICROSENS offers a wide range of transceivers, which allow a flexible and cost effective fiber connection for multimode and single mode networks.

Certification results and product details are summarized below:

Product Overview	
Ethernet	Up to 8x 10/100/1000Base-T and 2x 100/1000Base-X SFP-Slot
PoE	No
Model	DIN-rail or wall, IP30 protection
Alarm contact	Yes
Input Voltage	12 to 48 VDC, redundant, Power Polarity Reverse Protect
Environment	-10..+60 °C, 5-95 % humidity
Features	Store-and-Forward Switching Architecture, 1Mbits Packet Buffer, 8K MAC Address Table

Product Details in tested sample	
Software version	-
Tested Sample	MS655102 and MS655210

Engineering	
Configuration and installation	Plug & Play

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Benefits of the MICROSENS MS655XXX:

- Gigabit Performance for Industrial Ethernet
- Easy handling (Plug&Play)
- Connection of redundant power supply possible
- Cost effective and compact design
- Optional with SFP-Slots for fiber uplinks
- Monitoring with potential free contact

The Microsens MS650XXX closely supports the 800xA Extended Automation System Value Propositions as noted below:

800xA Value Proposition Mapping

✓	Reducing Time to Decision and Action
	- Easy handling
	- Wide range of transceivers for SFP slots
✓	Reducing Risk through High Integrity Automation
	- Adapted for Industrial Ethernet
	- Gigabit Ethernet
✓	Integrating Information for Improved Visibility
	Monitoring with potential free alarm contact
✓	Investment Enhancement through Evolution
	- Continuation in product development
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