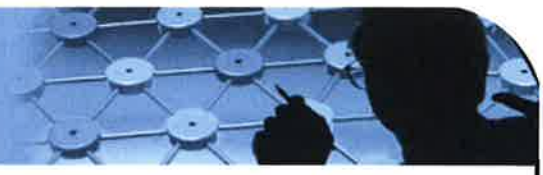

Industrial^{IT} Certification

CERTIFICATE

Certificate Id: 2PAA115390_Harting_Ha-Vis_eCon_3042GB-AD-PP

Category:	UnManaged Switch
Product Name:	Harting Ha-VIS eCon 3042GB-AD-PP
Software Version:	-
Hardware Version:	Rev. 00
Vendor:	HARTING Electric GmbH & Co. KG
Certification Test Report	3BSE085923
Certification reference:	System 800xA Version 5.x, 6.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: 2016-02-03

Representative for the official steering body for the Industrial IT Certification

Jenny Sjödahl

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Harting Ha-Vis eCon 3042GB-AD-PP

IndustrialIT Certification

Ha-VIS eCon 3042GB-AD-PP

The Ha-VIS eCon 3000 Full Gigabit family of unmanaged Ethernet switches is equipped with up to 7 gigabit Ethernet ports and allows for cost-efficient and quick expansion and/or reconstruction of network infrastructures with high bandwidth requirements. In this, all variants support extra-long Ethernet frames (jumbo frames). The switches work as power sourcing equipment (PSE) and are capable of simultaneously providing the full PoE output of 34.2 watts on up to four ports. Exceeding the PoE+ standard, the switches are equipped with an integrated, galvanically isolated DC/DC voltage transformer. The switches can be supplied with 24 VDC instead of the usually required 54 VDC. The selection includes various combinations of variants with RJ45 and fibre optic cables. Automatic detection of the transmission rate (auto-negotiation) and of the wiring of the twisted pair data cable (auto-polarity and auto-MDI(X)) allow for simple plug and play. All variants are available with the temperature ranges "Industrial" and "Commercial".

Certification results and product details are summarized below:

Product Overview	
Family Name	HARTING Ha-VIS eCon 3000 Basic PoE+ Family
Ethernet	4x 10 / 100 / 1000 Mbit/s, RJ45 (Twisted Pair)
SFP ports	2x 1000 Mbit/s, SC Multi-mode (MM)
Diagnostics	Via LED
Operating voltage	18 VDC ... 60 VDC
Operating temperature	–40 °C ... +70 °C
Casing	IP30
Mounting	DIN

Product Details in tested sample	
Model included in test	Ha-VIS eCon 3042GB-AD-PP
Serial number(s)	A1BUEVA17GFVCGB

Engineering	
Configuration and installation	Unmanaged

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Harting Ha-Vis eCon 3042GB-AD-PP

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HARTING Pushing Performance

5 to 7 Ethernet ports RJ45, FOC, PoE+, 24 V DC/DC transformer

Unmanaged Plug and Play Ethernet switches for DIN rail assembly in control cabinets

- Commercial temp.: 0 °C ... +55 °C / Industrial temp.: -40 °C ... +70 °C
- Use of PoE+ with 24 VDC supply (galvanically isolated)
- Energy supply of up to 4 terminal devices via PoE+ (137 watts) in accordance with IEEE 802.3at
- Full Gigabit Ethernet non-blocking switch architecture according to IEEE 802.3
- Support of jumbo frames (10 kB)
- Variants with industrial temperature range of -40 °C ... +70 °C
- Surge protection and reverse polarity protection
- Energy-efficient Ethernet according to 802.3az
- Optimised DIN rail bracket

The Ha-VIS eCon 3042GB-AD-PP Unmanaged switch closely supports the 800xA Extended Automation System Value Propositions as noted below:

800xA Value Proposition Mapping

✓	**Engineering for Maximum Performance**
	- Number of options available for different needs

✓	**Reducing Risk through High Integrity Automation**
	- Adapted for Industrial Ethernet
	- Mechanical form factor improves lifetime

✓	**Investment Enhancement through Evolution**
	- Continuation in product development

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