

Type AirLINE8640

EtherNet/IP

Connection Description

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1 Overview

Used datatypes:

Unsigned8	8 bit: unsigned integer
Unsigned16	16 bit: unsigned integer
Unsigned32	32 bit: unsigned integer
REAL32	32 bit: float value IEEE 754

2 Objects

2.1 Cyclic data, downwards compatible (compatible to first device revision, see also 2.3.1)

Parameter	Description	Data type	Class	Instance	Attribute
Input Byte 1...36	Input 1...4: Inputs 1.-4.Byte of main island Input 5...8: Inputs 1.-4.Byte of RIO node 1 ... Input 33-36: Inputs 1.-4.Byte of RIO node 8	Unsigned8	0x08	0x01 .. 0x24	0x03
Valve Byte 1..27	Output 1...3: Outputs 1.-3. Byte of main island Output 4...6: Outputs 1.-3. Byte of RIO node 1 ... Output 25-27: Outputs 1.-3. Byte of RIO node 8	Unsigned8	0x09	0x01 .. 0x1B	0x03

2.2 Acyclic data, downwards compatible (compatible to first device revision, see also 2.3.1)

Parameter	Description	Data type	Class	Instance	Attributes
Fault Action Byte 1..27 (main island: byte 1...3, RIO node 1: byte 4..6, ... RIO node 8: byte 25...27)	Behavior of output byte 1..27 if device is offline 0: use fault value of corresponding digital valve output 1: hold last state 1 output byte represents 8 digital valve outputs	Unsigned8	0x09	0x01 .. 0x1B	0x05
Fault Value Byte 1..27 (main island: byte 1...3, RIO node 1: byte 4..6, ... RIO node 8: byte 25...27)	Fault value for output byte 1..27 0: digital valve output is not set 1: digital valve output is set 1 output byte represents 8 digital valve outputs	Unsigned8	0x09	0x01 .. 0x1B	0x06
Factory ID	Buerkert identnumber	Unsigned32	0x96	0x01	0x01
Factory Serial	Buerkert serialnumber	Unsigned32	0x96	0x01	0x02
Input Mode	0: no inputs 1: normal 2: shifted 3: halved	Unsigned8	0x97	0x01	0x01
Input Filter	0: filter off 1: filter on	Unsigned8	0x97	0x01	0x02
Downwards Compatibility	0: not compatible -> different access to objects 1: compatible (only possible if less than 5 RIO nodes connected)	Unsigned8	0x98	0x01	0x01

2.3 Appendix

2.3.1 Device revision

- 1) The correct device revision can be found on the device rating plate.

First device revision:



Device revision Rev.2:

