bürkert
FLUID CONTROL SYSTEMS

Type AirLINE8640

EtherNet/IP

Connection Description

Inhalt

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, not downwards compatible (not compatible to first device revision, see also 2.3.1)

Parameter	Description	Data type	Class	Instance	Attribute
Input Byte 1…4	Input 1.-4. Byte of main island	Unsigned8	0x65	0x01 .. 0x04	0x03
Output Byte 1…3	Output 1. -3. Byte of main island	Unsigned8	0x64	0x01 .. 0x03	0x03
Input Byte 5…12	Input 5…8: Inputs 1.-4.Byte of RIO node 1 Input 9…12: Inputs 1.-4.Byte of RIO node 2	Unsigned8	0x67	0x01 .. 0x08	0x03
Output Byte 4…9	Output 4…6: Outputs 1.-3. Byte of RIO node 1 Output 7…9: Outputs 1.-3. Byte of RIO node 2	Unsigned8	0x66	0x01 .. 0x06	0x03
Input Byte 13…20	Input 13…16: Inputs 1.-4.Byte of RIO node 3 Input 17…20: Inputs 1.-4.Byte of RIO node 4	Unsigned8	0x69	0x01 .. 0x08	0x03
Output Byte 10…15	Output 10…12: Outputs 1.-3. Byte of RIO node 3 Output 13…15: Outputs 1.-3. Byte of RIO node 4	Unsigned8	0x68	0x01 .. 0x06	0x03
Input Byte 21…28	Input 21…24: Inputs 1.-4.Byte of RIO node 5 Input 25…28: Inputs 1.-4.Byte of RIO node 6	Unsigned8	0x6B	0x01 .. 0x08	0x03
Output Byte 16…21	Output 16…18: Outputs 1.-3. Byte of RIO node 5 Output 19…21: Outputs 1.-3. Byte of RIO node 6	Unsigned8	0x6A	0x01 .. 0x06	0x03

Input 29…36	Input 29…32: Inputs 1.-4.Byte of RIO node 7 Input 33…36: Inputs 1.-4.Byte of RIO node 8	Unsigned8	0x6D	0x01 .. 0x08	0x03
Output 22…27	Output 22…24: Outputs 1.-3. Byte of RIO node 7 Output 25…27: Outputs 1.-3. Byte of RIO node 8	Unsigned8	0x6C	0x01 .. 0x06	0x03

2.2 Acyclic data, not downwards compatible (not 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: