Interbus Slave Fo - Modbus RTU Slave

The Anybus X-gateway copies I/O-data in both directions thus enabling data exchange between the two networks. Default I/O configuration is 20 bytes Input and 20 bytes Output. Changing default settings is very simple and is carried out using the RS232 configuration port and a standard terminal interface on a PC, such as Hyper Terminal for Windows.

The Interbus 2MBit/s interface with a Fiber Optic bus-interface is an important complement to the standard module for copper based cabling. The Fiber Optic module is based on the OPC chipset from Pheonix, which gives support for optical diagnostics. This means the unit has a high EMC immunity and also a very low EMC emission. The Interbus interface 2Mbit/s module is a slave node that can be read from/written to by an Interbus master. Interbus has two ways of exchanging data; one through fast cyclical I/O data called ?Process Data?, and one through a somewhat slower protocol called PCP, which is mainly used for configuration purposes. It supports Interbus PCP V2.0. The module supports up to 10 words of data on the bus, out of which up to four words can be used for PCP.

The Modbus RTU Slave interface is implemented according to Modbus Protocol ref guide (PI-MBUS-300). All data is mapped to 3x and 4x Modbus areas meaning the Input Status and Output Register Word areas. The Modbus RTU standard baudrate is 19200 Bit/s but can be modified on the gateway between 1200 Bit/s to 57 600 Bit/s.

KEY FEATURES

- Up to 10 words of Interbus Process data
- PCP v2.0 (0, 1, 2 or 4 words)
- Fiber Optic features FSMA standard connectors conforming to IEC874-2 and DIN47258
- Based on OPC chipset with support for optical diagnostics
- Transmission Media: Plastic fibre, core 180um, clad 1000um: HCS (glass) fibre, core 200um, clad 230 um
- Supported Modbus RTU functions: 1, 2, 3, 4, 5, 6, 8, 15, 16, 22, 23
- Modbus RTU transmission media RS485

TECHNICAL SPECIFICATIONS

Size:	126 mm x 110 mm x 42 mm
Power Supply:	24 VDC (±10%)
Temperature:	0-65°C
Current Consump:	max 300 mA
I/O Input:	Default 20 bytes, max 512 bytes (max 20 bytes as I/O on Interbus)
I/O Output:	Default 20 bytes, max 512 bytes (max 20 bytes as I/O on Interbus)
Mech Rating:	IP20/Nema1
Config Method:	Windows Hyper Terminal
UL certification:	E203225, Listed 67AM, UL-1604 Class 1, Div 2, GP A, B, C, D, Temp Code T4
ATEX certification:	ATEX 135419, II 3 G, EEx nL IIC T4, DEMKO 03
Power supply connector:	2-pole 5.08 mm Phoenix pluggable screw connector
Interbus Baudrate:	500Kbit/s or 2Mbit/s
Interbus connectors:	HFBR-2505C and HFBR-1505C
Modbus RTU baudrate:	1200 Bit/s to 57 600 Bit/s
Modbus RTU address:	Node address 1-247
Modbus RTU connector:	D-sub 9-pin female
Price Group:	C
Order Code:	AB7890