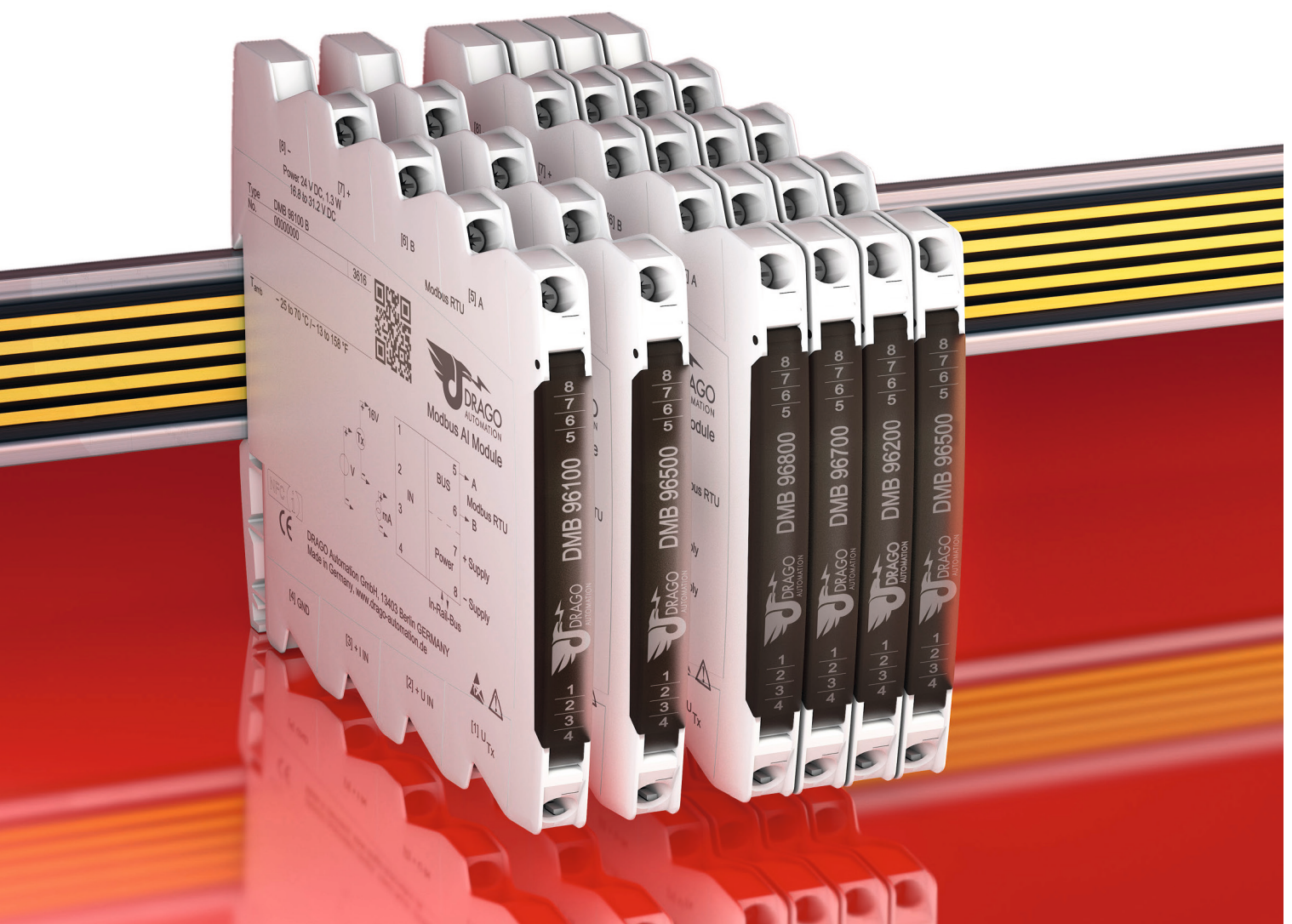
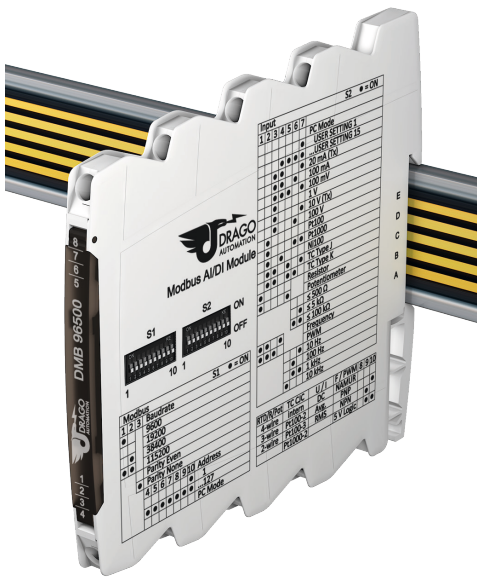


Modbus RTU



I/O Modules

New ultra-compact Modbus I/O Modules



- Freely scalable up to 247 units in one Modbus segment
- Extremely slim, only 6.2 mm installation width
- Easy configurable via Modbus, DIP switches or programming interface
- Highest accuracy and temperature stability
- Protective galvanic separation between all circuits, test voltage 3 kV AC
- In-Rail-Connector for Modbus, power and fail message
- Protection against overvoltage, polarity reversal and short circuit at all terminals
- Long service life, extremely low failure rate
- Made in Germany, 5 years warranty

The DRAGO Modbus I/O Modules combine complex field and control requirements such as protective galvanic isolation, maximum signal integrity and highest reliability with fast acquisition of measurement data and provision via field bus.

Up to 4 fully isolated I/Os are available in the 6.2 mm slim modules. The configuration can be made via Modbus, DIP switch or programming interface DZU 1201 with the software DRAGOModbus (see accessories). In addition to standard signals, mA, V, mV, R, Pot, Hz, PWM and all current industrial sensors can be processed.


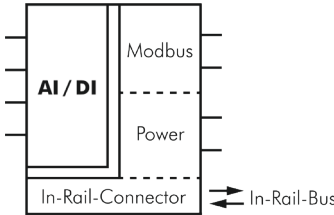

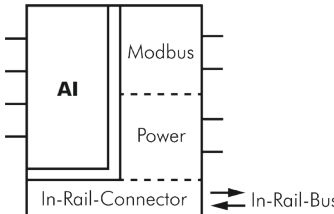

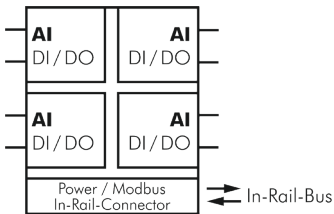

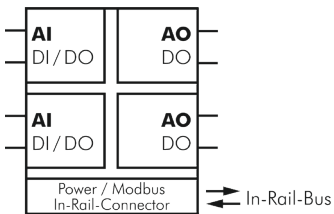

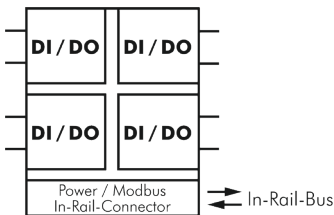

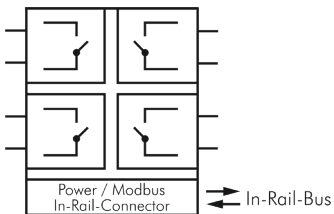

Power supply and bus connections are pre-wired on standard DIN rail by the In-Rail-Bus. All terminals are protected against short circuit, overvoltage and polarity reversal. The protective galvanic isolation with 3 kV test voltage permits working voltages up to 300 V. A low bus load allows up to 247 modules (988 I/Os) in one Modbus segment.

The low-power design ensures minimum self-heating for a wide temperature range. High functionality and the space-saving body guarantee an economic integration in new plants as well as in retrofit projects.

General data

Interface	Modbus RTU, RS485	Module addressing: 1 ... 247
Configuration	Parity: Even, Odd, None	Response delay: 1 ... 1000 ms
Baud rate	300, 600, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200	
Connectivity	Up to 247 DRAGO Modbus devices (1/8 load)	
Test voltage	3 kV AC, 50 Hz, 1 min., each channel fully isolated	
Ambient temperature	Operation: -25 °C bis +70 °C	Transport and storage: -40 °C bis +85 °C
Power supply	24 V DC, voltage range 16.8 V ... 31.2 V DC	
Construction	99 x 107 x 6.2 mm (H x T x B), protection class IP 20 Mounting on 35 mm DIN rail acc. to EN 60715	

DRAGO Modbus I/O Modules

DMB 96500 Universal AI 		Input Pt, Ni, TC, KTY R, Pot, mA, mV, V AC/DC Frequency, PWM	Additional functions Transmitter supply 16 V TRMS NAMUR
DMB 96100 Standard Signal AI 		Input 0/4 ... 20 mA 0/2 ... 10 V 0/1 ... 5 V	Additional functions Transmitter supply 16 V
DMB 96200 4 Channel AI 		Input 0/4 ... 20 mA 0/2 ... 10 V	Additional functions 4 DI 4 DO
DMB 96400 4 Channel 2 AI / 2 AO 		Input / Output 0/4 ... 20 mA 0/2 ... 10 V	Additional functions 2 DI 4 DO
DMB 96700 4 Channel DI / DO 		Input / Output DI: 5 V / 12 V / 24 V DO: Open-Collector	Additional functions Frequency, Counter, Puls, PWM
DMB 96800 4 Channel Relay 		Contact AC: 250 V / 2 A DC: 30 V / 2 A	Additional functions ON / OFF delay Wiper contact Power monitoring
Accessories <ul style="list-style-type: none"> In-Rail-Bus Set In-Rail-Mini Power terminals Programming interface 			

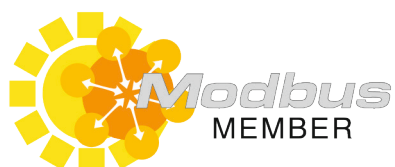


Product portfolio

- Modbus I/O modules
- Isolation amplifiers
- Transmitters
- Alarm units
- Switch amplifiers
- Relays and switching devices
- Interface technology

Product lines

Universal:	High Functionality
Highly compact:	6 mm
Cost optimized:	Tiny Snap



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