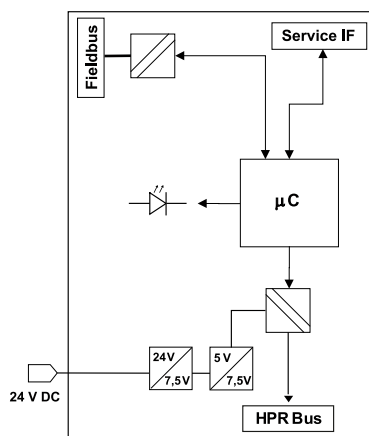


# HE 5813

## HIMOD field bus coupler Modbus RTU

Central coupling module for Modbus RTU networks



The field bus coupler HE 5813 links the modular process I/O HIMOD system with a Modbus RTU network. The connection to the Modbus RTU is established with a 9-pin D-SUB socket. Up to 62 I/O modules can be connected per bus coupler. The connection of the modules takes place over an internal bus system. Up to 16 modules can be operated directly on the bus coupler, in addition the system can be expanded with an additional power module. In the bus coupler the areas of power supply voltage, field

bus and logics are isolated galvanically from each other. The system configuration from bus coupler and I/O modules can be determined quickly by means of the buttons integrated in the front of the casing. Configuration and parameter-setting of the individual modules can be carried out both via the field bus as well as over the SmartPort interface.

Current versions of the associated software SmartControl as well as other information can be found at [www.hesch.de](http://www.hesch.de)

| TECHNICAL DATA  |   |
|---|---|
| Power supply  | 24 V DC (-20 % / +25 %), protected against reverse polarity and overvoltage |
| Current / power consumption   | Max. 170 mA / 4 W own requirements  |
| Power supply for I/O modules  | 24 V DC (max. 4 A) and 7.5 V DC (max. 2 A), short-circuit-proof             |
| Number of I/O modules that can be coupled                           | 1...16 or 1...62 with additional power modules                              |
| Electrical isolation  | 500 V <sub>eff</sub> [internal (supply / field bus / logics) / external]    |
| Connections / interfaces:   |   |
| Modbus  | 1 x D-SUB socket, 9-pin   |
| Service / SmartPort   | 1 x RJ10, front   |
| HPR-bus   | 1 x T-bus connector   |
| Supply 24 V DC  | 1 x screw terminal block  |
| Modbus RTU:   |   |
| Bus connection according to IEC 61158 (RS-485), RTU protocol        |   |
| Baud rate 2.4...115.2 kbaud, can be set via BCD switch              |   |
| Address range: 1...99, can be set via BCD switch                    |   |
| Address range: 1...247, can be set with software, if BCD switch = 0 |   |
| Control elements:   |   |
| Baud rate / addresses   | 3 x BCD rotary coded switch   |
| Node configuration  | 1 x button "Config", at the front   |
| Diagnostic display:   |   |
| 5 status-LEDs   | 1 x device status, 4 x bus status   |
| Wiring technique  | Screw / plug terminals, conductor cross-section 0.2...2.5 mm <sup>2</sup>   |
| Weight  | 150 g   |

| ORDERING DATA           | ORDER NUMBER | PU |
|-------------------------|--------------|----|
| HE 5813, Modbus RTU, CE | 58135000     | 1  |
|                         |              |    |
|                         |              |    |
|                         |              |    |
|                         |              |    |
|                         |              |    |

| ACCESSORIES                            | ORDER NUMBER | PU |
|--|--------------|----|
| SmartControl configuration environment | 58510000     | 1  |
| USB connection cord                    | 58513000     | 1  |
| Screw plug terminal                    | 133332       | 10 |
| Spring clamp terminal                  | 133331       | 10 |
| T-bus connector                        | 38100150     | 10 |
|  |              |    |

| APPROVAL           |    |
|--------------------|----|
| Conformity marking | CE |
|                    |    |
|                    |    |
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