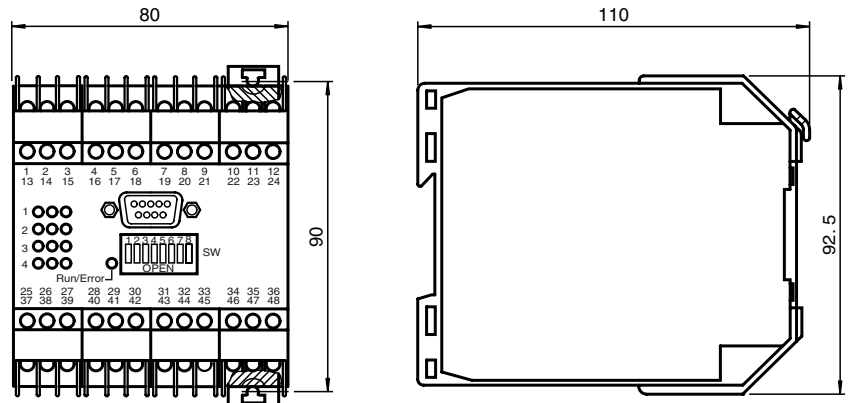




Dimensions



Model number

IVI-KHA6-4HB6

Control interface unit for PROFIBUS DP

Features

- PROFIBUS DP acc. to EN 50170
- Complete read/write functionality via the PROFIBUS DP
- Transmission of up to 14 words, 16 bit each, in one cycle
- Variable module length
- 4 read/write heads connectable
- Address adjustment via DIP switches
- Connectable bus termination
- 3 LEDs as indicators for each read/write head
- LED for power on / bus communication

Function

The control interface unit is operated as a slave on the PROFIBUS-DP. The device makes available the complete read/write functionality. Up to 32 bytes are transmitted per cycle. Of these, up to 14 words, each with 16 bits, are available to the user. The size of the input and output modules is variable. As a result, it is possible, by means of appropriate selections in the GSD file, to optimize the quantity of transmitted data for the given application. Up to 4 read heads can be connected to the control interface unit. The address is set via DIP switches, and the terminating resistor for the bus is connected via a rotary switch.

Software

The GSD file is included in the scope of delivery.

Technical data

General specifications

| | |
|----------------------------|--------|
| Number of read/Write heads | max. 4 |
|----------------------------|--------|

Indicators/operating means

| | |
|---------------|--|
| LED green | read/write head active (4 LEDs, 1 per head) |
| LED yellow | Code / data carrier detected (4 LEDs, 1 per head) |
| LED red | reserved (4 LEDs, 1 per head) |
| LED red/green | device status permanent green: device operational / bus communication active red-green flashing: device operational / bus communication faulty permanent red: device errors |
| DIP-switch | setting the station address |
| Rotary switch | bus termination 0 = not active 1 = active |

Electrical specifications

| | | |
|---------------------------|-------|-------------------------------------|
| Rated operational voltage | U_e | 85 ... 253 V AC , 50 ... 60 Hz |
| Current consumption | | 60 mA |
| No-load supply current | I_0 | ≤ 35 mA with active read head 45 mA |
| Power consumption | P_0 | 12 W |

Interface

| | |
|---------------|--|
| Physical | RS 485 |
| Protocol | PROFIBUS DP acc. to EN 50170 |
| Transfer rate | 9.6; 19.2; 44.44; 93.75; 187.5; 500; 1500 kBit/s Bit/s (planned 12000) all self synchronising |

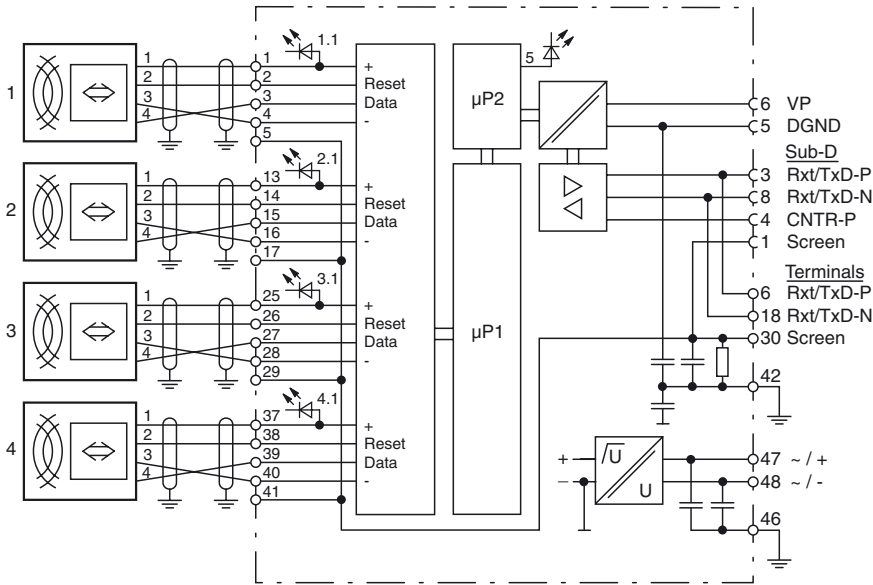
Ambient conditions

| | |
|---------------------|-------------------------------|
| Ambient temperature | -25 ... 70 °C (248 ... 343 K) |
| Storage temperature | -25 ... 85 °C (248 ... 358 K) |
| Climatic conditions | air humidity max. 75 % |

Mechanical specifications

| | |
|-------------------|---|
| Protection degree | IP20 according to EN 60529 |
| Connection | self-opening connection terminals, max. core cross-section 2 x 2.5 mm ² , 9-pin Sub-D built-in connector |
| Material | |
| Housing | Makrolon 6485 |
| Construction type | K-system, 80 mm (4 TE) |

Electrical connection



Indicating/operating means

