



**Model Number**

**IRI-KHD2-4HB6**

Control interface unit for PROFIBUS DP

**Features**

- PROFIBUS DP acc. to EN 50170
- 4 read heads can be connected
- Transmission of all read fix codes in one cycle
- Address adjustment via DIP switches
- Connectable bus termination
- 3 LEDs per read head for function indication
- LED for power on / bus communication

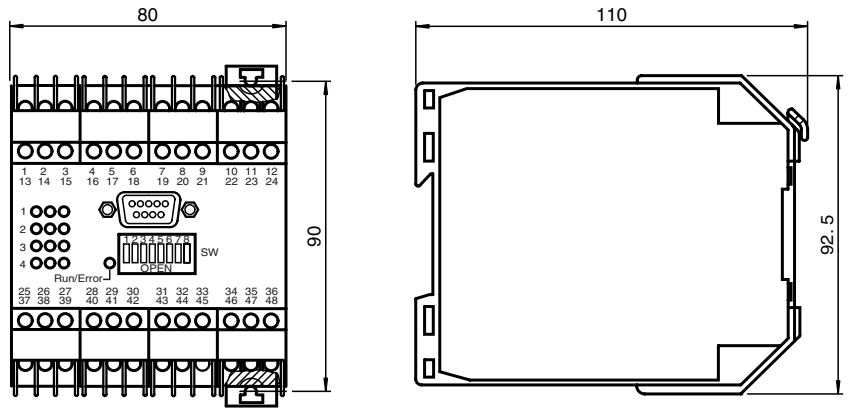
**Function**

The control interface unit is operated as a slave on the PROFIBUS-DP. Up to 4 read heads can be connected to the control interface unit. All read heads connected to the device are detected and the codes which are read in transmitted in a cycle. The address is set via DIP switches, and the terminating resistor for the bus is connected via a rotary switch.

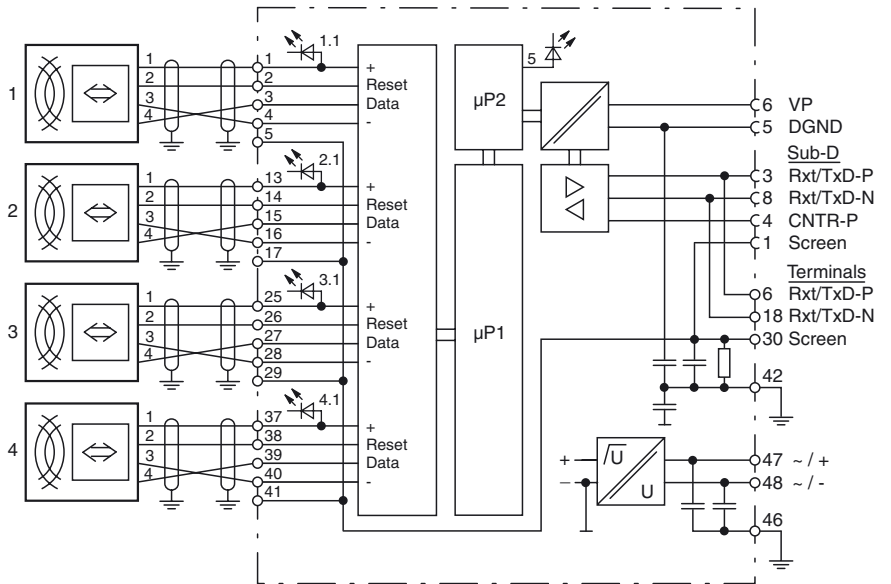
**Software**

The GSD file is included in the scope of delivery.

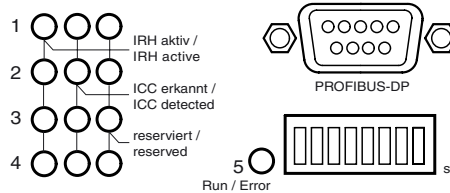
**Dimensions**



**Electrical connection**



**Indicating / Operating means**



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**Technical data****General specifications**

Number of reading heads	max. 4
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**Indicators/operating means**

LED green	read head active (4 LEDs, 1 per head)
LED yellow	code 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	$U_e$	18 ... 30 V DC , ripple 10 % <sub>SS</sub>
Current consumption		250 mA
No-load supply current	$I_0$	≤ 120 mA , with active read head 190 mA
Power consumption	$P_0$	6 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 Bit/s (planned 12000) all self synchronizing

**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 <sup>2</sup> , 9-pin Sub-D built-in connector
Material	
Housing	Makrolon 6485
Construction type	K-system, 80 mm (4 TE)