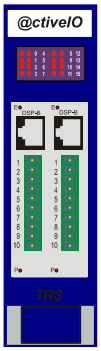
ICP sensor interface 3280



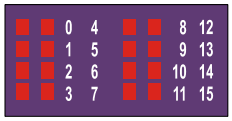
- **ICP interface**
- **Intelligent sensorik**
- **Able to operate 2 sensors alternating per print**
- **Scanning of the sensors with 25kHz**
- **Signal filter 1Hz – 11,5kHz**
- **16Bit resolution for dynamic signal & true rms**
- **Direct @ctiveIO interface**
- **Dynamic signal and true rms channel on board**

I/O

sensor

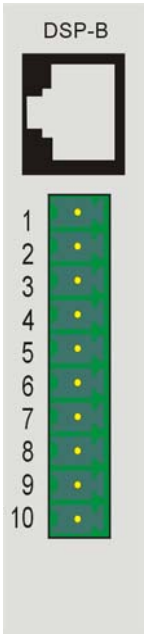
interface

Pinout



LED	
0 (8**)	Link
1 (9**)	Cable detected
2	-
3	-
4	Link *)
5	Cable detected *)
6	-
7	-

*) signalling for the right print
**) in case the left print is a DSP module



Pin	Signal
DSP-B RJ45 (female)	
1	CLK +
2	CLK -
3	DOUT +
4	DOUT -
5	DIN +
6	DIN -
7	GND
8	GND
10-pole plug (female)	
1	Sensor1 +
2	Sensor1 -
3	GNDA
4	Case1
5	Sensor2 +
6	Sensor2 -
7	GNDA
8	Case2
9	+24V
10	0V

Attributes

ICP sensor interface:
Bearing vibrations.
Machine noises.
Vibration analysis.

Applications:
The P3280 allows 2 sensor to be connected directly.
The sensors are powered by the ICP interface.

Available prints:
@P3280L: ICP sensor interface
@P3280R: ICP sensor interface

Related Applications:
@P9200L: digital signal processor unit

Electrical Data

Power supply external ..... +24V +/-10%
Operating current ..... 200mA at 24V
Operating current @ctiveBus ..... xxxmA at 3,3V
Power supply protection ..... 30V overvoltage, surge

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ICP sensor interface 3280

System Information

System ID	0x081
System address space	16 bit in, 16 bit out

Environmental Conditions

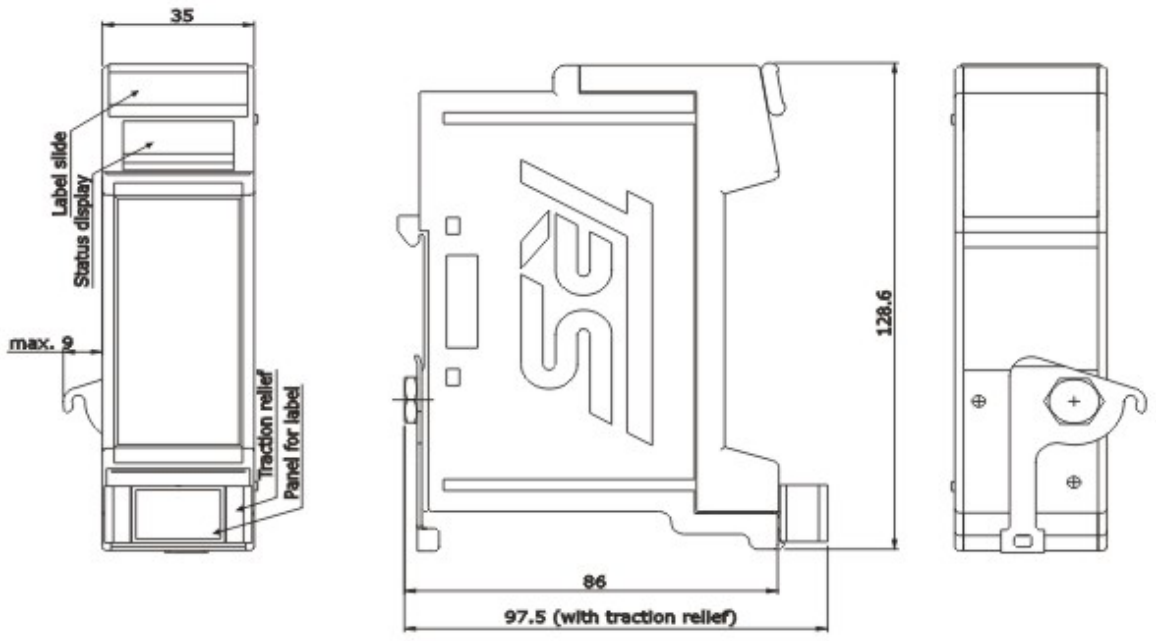
Electromagnetic compatibility (EMC)	EN 61000-4-2 (IEC-801-2) / EN 61000-4-4 (IEC-801-4)
Operating temperature [°C]	0 .. +50
Storage temperature [°C]	-20 .. +70
Humidity (rel)	98 % (non condensing)
Protection class*	IP 20 (DIN 40 050)

*The protection class is valid only with housing and connector installed

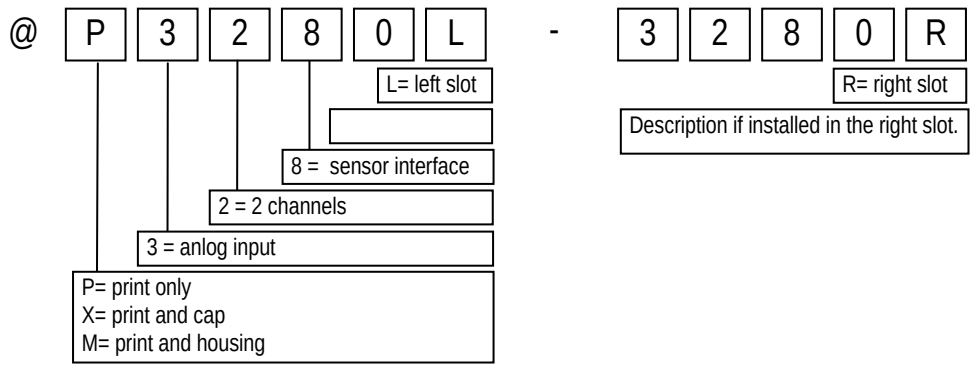
Mechanical Data PCB

Weight	approx. 0.05 kg including connector
Dimension	105mm x 80mm x 12mm

Drawing **(effective if mounted in @M housing)**



Ordering Key



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notes:

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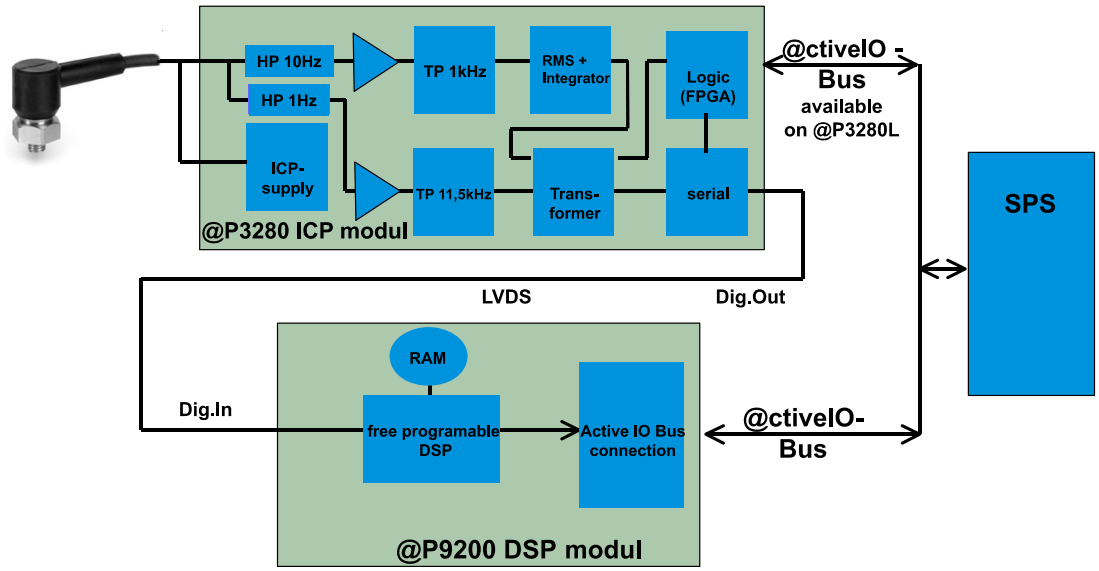

Function diagram @P3280