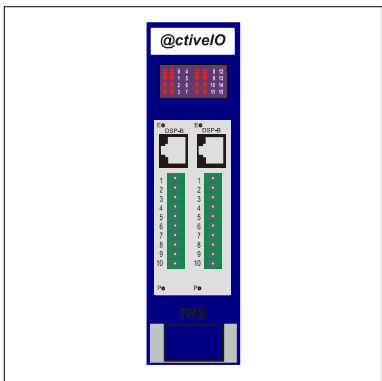


# True RMS sensor interface 3285

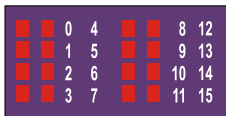
TR-Systemtechnik GmbH, Eglisshalde 16, 78647 Trossingen, Tel.: +49 (0) 7425 228-0, Fax: +49 (0) 7425 228-34, www.tr-systemtechnik.de, info@tr-systemtechnik.de

I/O



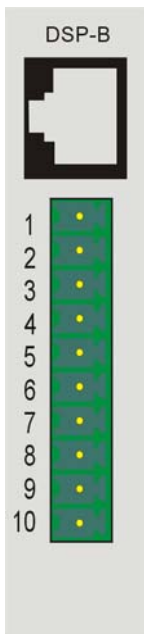
- True RMS interface
- Intelligent sensorik
- Able to operate 2 sensors alternating per print
- Scanning of the sensors with 50kHz
- Active signal filtering
- 16Bit resolution for dynamic signal & true rms
- Direct @ctiveIO interface
- Dynamic signal and true rms channel on board

## 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	GND A
4	Case1
5	Sensor2 +
6	Sensor2 -
7	GND A
8	Case2
9	+24V
10	0V

## Attributes

**True RMS sensor interface:**  
Bearing vibrations.  
Machine noises.  
Vibration analysis.

**Applications:**  
The @P3285 allows 2 sensor to be connected directly. LVDS link for a multiple analysis.

**available prints :**  
@P3285L:TRUE RMS sensor interface

**Related Applications:**  
@P9200L:digital signal processor unit

sensor

interface

## Electrical Data

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

# True RMS sensor interface 3285

## System Information

System ID.....  
 System address space..... 16 bit in, 16 bit out

I/O

## Environmental Conditions

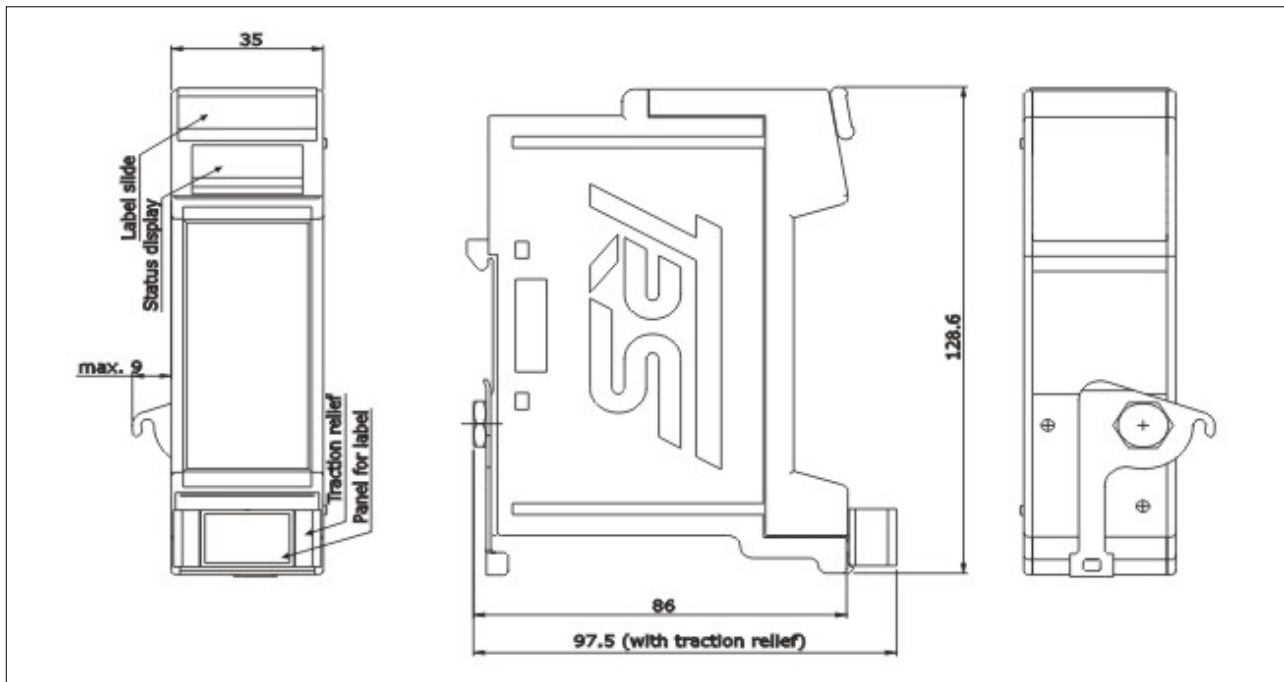
Electromagnetic compatibility (EMC) ..... EN 61000-4-2 (IEC-801-2) / EN 61000-4-4 (IEC-801-4)  
 Operating temperature [°C] ..... 0 .. +45  
 Storage temperature [°C] ..... -20 .. +60  
 Humidity (rel) ..... 98 % (non condensing)  
 Protection class\* ..... IP 20 (DIN 40 050)  
 \*The protection class is valid only with housing and connector installed

## Mechanical Data PCB

Weight ..... approx. 0.15 kg including connector  
 Dimension ..... 105mm x 80mm x 12mm

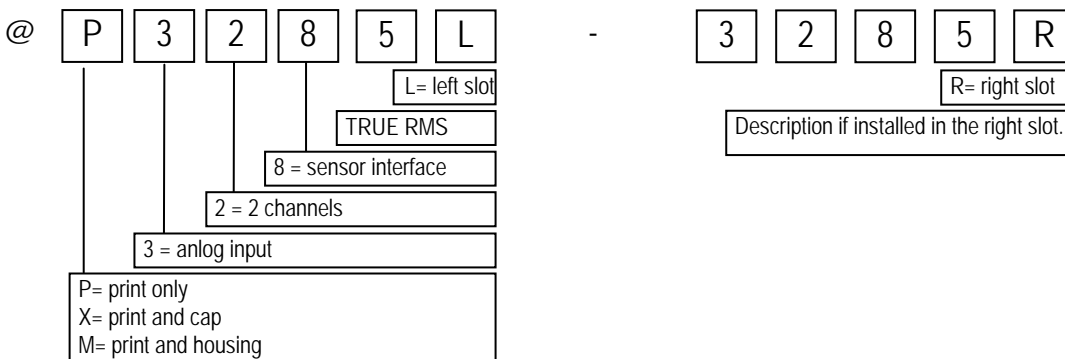
sensor

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



interface

## Ordering Key



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