

analog input 3410

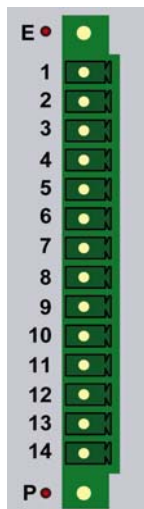


- 16 bit analog input
- $\pm 20\text{mA}$
- 4 channels, simultaneous sampling
- differential input
- galvanically isolated

I/O

Pinout

LED:	0; (8)	Ch0: positive input current
	1; (9)	Ch1: positive input current
	2; (10)	Ch2: positive input current
	3; (11)	Ch3: positive input current
	4; (12)	Ch0: negative input current
	5; (13)	Ch1: negative input current
	6; (14)	Ch2: negative input current
	7; (15)	Ch3: negative input current
	E:	failure, red
	P:	power supply, red



Pin	Signal
1	Ch0+
2	Ch0-
3	AGND
4	Ch1+
5	Ch1-
6	AGND
7	Ch2+
8	Ch2-
9	AGND
10	Ch3+
11	Ch3-
12	AGND
13	Power +24V
14	Power 0V

Attributes

Dataformat:

Standard integer (16-Bit) format :

+32767= +20mA

0 = 0V

-32768= -20mA

Applications:

16 bit analog input, current sensing

available prints :

- @P3410L: 4 channels, 16 bit analog input, $\pm 20\text{mA}$
- @P3410R: 4 channels, 16 bit analog input, $\pm 20\text{mA}$

Related Applications:

2 channels, current sensing:

- @P3210: 2 channels, 16 bit analog input, $\pm 20\text{mA}$

2/4 channels, voltage sensing:

- @P3200: 2 channels, 16 bit analog input, $\pm 10\text{V}$
- @P3400: 4 channels, 16 bit analog input, $\pm 10\text{V}$

analog

input

Electrical Data

Power supply external	24V= $\pm 20\%$
Operating Current	40mA at 24V=, typical
Operating current @ctiveBus	
Input protection	30V overvoltage, surge
Differential input voltage	60V, maximum
Input resistance	50 Ω
Input capacity	160nF
Maximum sampling frequency	80kHz
Input frequency	
Resolution / Accuracy	16 bit / 13 bit
No. of converters	4, simultaneous sampling, no multiplexers

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System Information

System ID	0x0209
System adress space	64 bit in , 64 bit out (4x2 Byte)

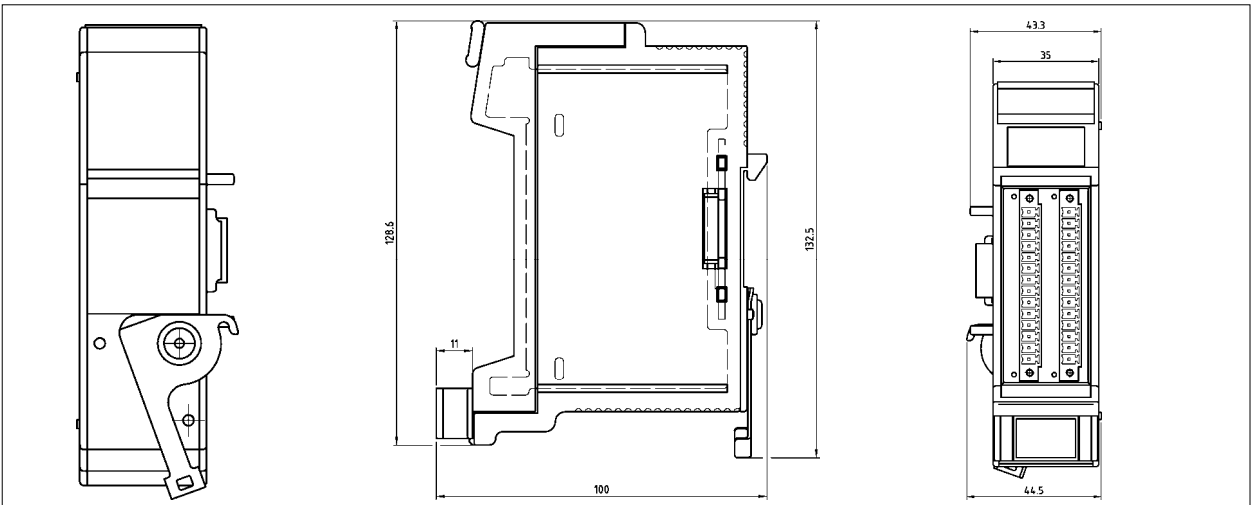
Environmental Conditions

Electromagnetic compatibility (EMC)	EN 61000-4-2 (IEC-801-2) / EN 61000-4-4 (IEC-801-4)
Operating temperature [°C].....	0..+55
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	

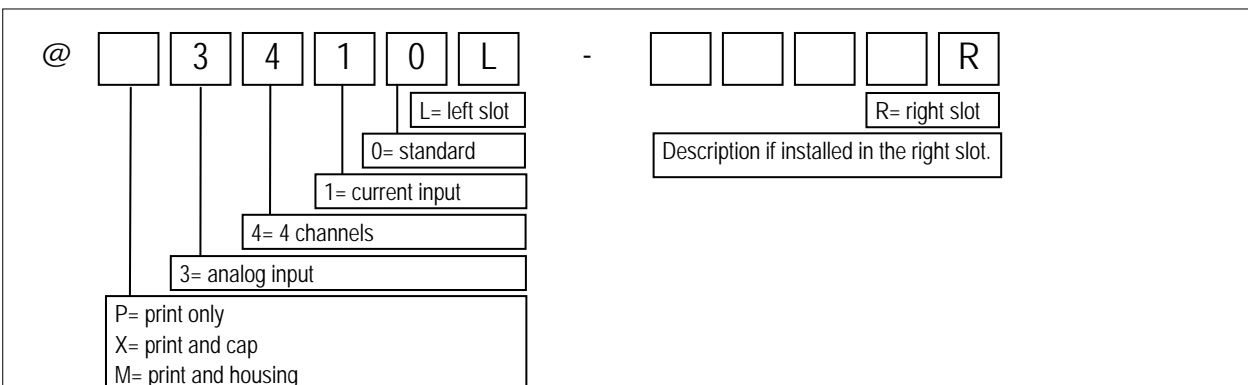
Mechanical Data PCB

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

Drawing (effective if mounted in @M housing)

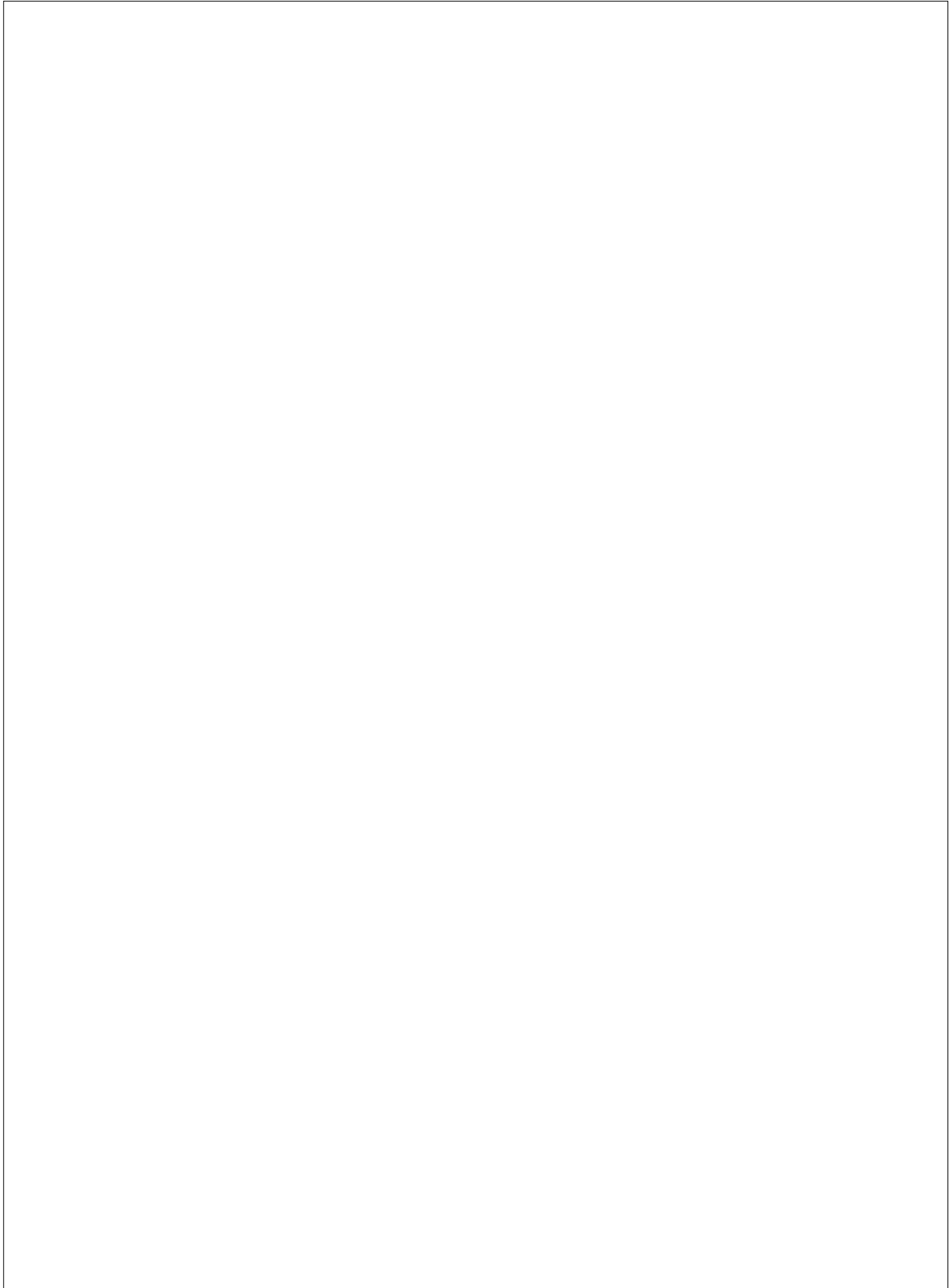


Ordering Key



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Example of Application



I/O

analog

input

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notes:

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