

analog input 3202

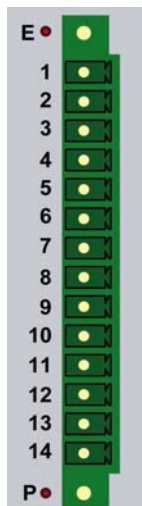


- 16 bit analog input
- $\pm 10V$
- Input resistance 100k Ω
- 2 channels, simultaneous sampling
- differential input
- galvanically isolated

I/O

Pinout

LED:	0; (8)	Ch 0: positive input voltage
	1; (9)	Ch 1: positive input voltage
	4; (12)	Ch 0: negative input voltage
	5; (13)	Ch 1: negative input voltage
	E:	failure, red
	P:	power supply, red



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

Attributes

Dataformat:

Standard integer (16-Bit) format :
 +32767 = +10V
 0 = 0V
 -32768 = -10V

Applications:

16 bit analog input, voltage sensing
 available prints :

- @P3202L: 2 channels, 16 bit analog input, $\pm 10V$
- @P3202R: 2 channels, 16 bit analog input, $\pm 10V$

Related Applications:

2 channels, voltage sensing, input resistance 1M Ω

- @P3200: 2 channels, 16 bit analog input, $\pm 10V$

4 channels, voltage sensing, 16 bit analog input

- @P3400: 4 channels, $\pm 10V$, 16 bit analog input

2/4 channels, current sensing, 16 bit analog input

- @P3210: 2 channels, analog input, $\pm 20mA$
- @P3410: 4 channels, analog input, $\pm 20mA$

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.....	100k Ω
Input capacity.....	160nF
Maximum sampling frequency.....	80kHz
Input frequency.....	
Resolution / Accuracy.....	16 bit / 13 Bit
No. of converters.....	2, simultaneous sampling, no multiplexers

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System Information

System ID	0x018A
System address space	32 bit in, 32 bit out

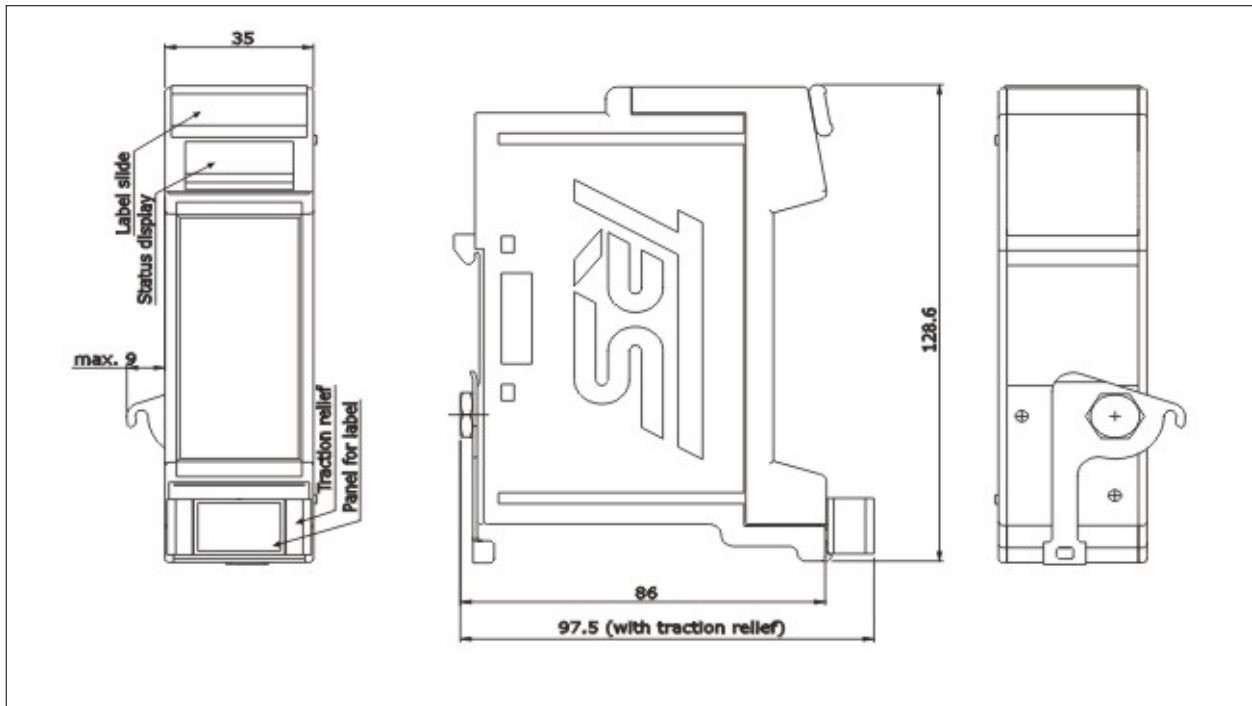
Environmental Conditions

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

@	[]	3	2	0	2	L	-	[]	[]	[]	[]	R
						L= left slot						R= right slot
						2=100kΩ		Description if installed in the right slot.				
						0= voltage input						
						2= 2 channels						
						3= analog input						
						P= print only						
						X= print and cap						
						M= print and housing						

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notes:

Revision change

Version	Description	Date (m/y)
00	serie 0	09/02

I/O

analog

input

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