

analog output 4410

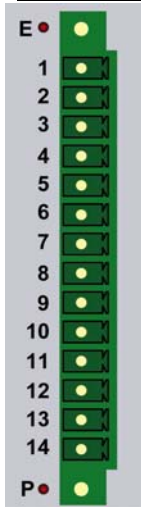


- 16 bit analog output
- $\pm 20\text{mA}$
- 4 channels, simultaneous sampling
- Galvanically isolated

I/O

Pinout

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



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

All Power +24V= and Power 0V are internal connected
 *) 9/2002 and later

Attributes

Dataformat:
 Standard integer (16-Bit) format :
 +32767 = +20mA
 0 = 0mA
 -32768 = -20mA

Applications:
 4 channels, analog current output
 available prints :

- @P4410L: 4 channels, 16 bit analog output, $\pm 20\text{mA}$
- @P4410R: 4 channels, 16 bit analog output, $\pm 20\text{mA}$

Related Applications:

2 channels, analog current output

- @P4210 : 2 channels, 16 bit current output, $\pm 20\text{mA}$

2/4 channels, analog voltage output

- @P4200 : 2 channels, 16 bit voltage output $\pm 10\text{V}$
- @P4400 : 4 channels, 16 bit voltage output $\pm 10\text{V}$

analog

output

Electrical Data

Power supply external.....	24V= $\pm 20\%$
Supply Current.....	35mA at 24V
Operating current @ctiveBus.....	20mA at 3,3V / 0mA at 5V
Input protection.....	30V overvoltage, surge
Differential input voltage.....	60V, maximum
Input resistance.....	50 Ω
Input capacity.....	160nF
Maximum sampling frequency.....	20 kHz
Resolution / Accuracy.....	16 bit / 13 bit
No. of converters.....	4, synchronous converting, no multiplexers
Burden:.....	< 400 Ω (short-circuit proof)

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System Information

System ID	0x0202
System address space	64 bit out, 64 bit in (4x2 Byte)

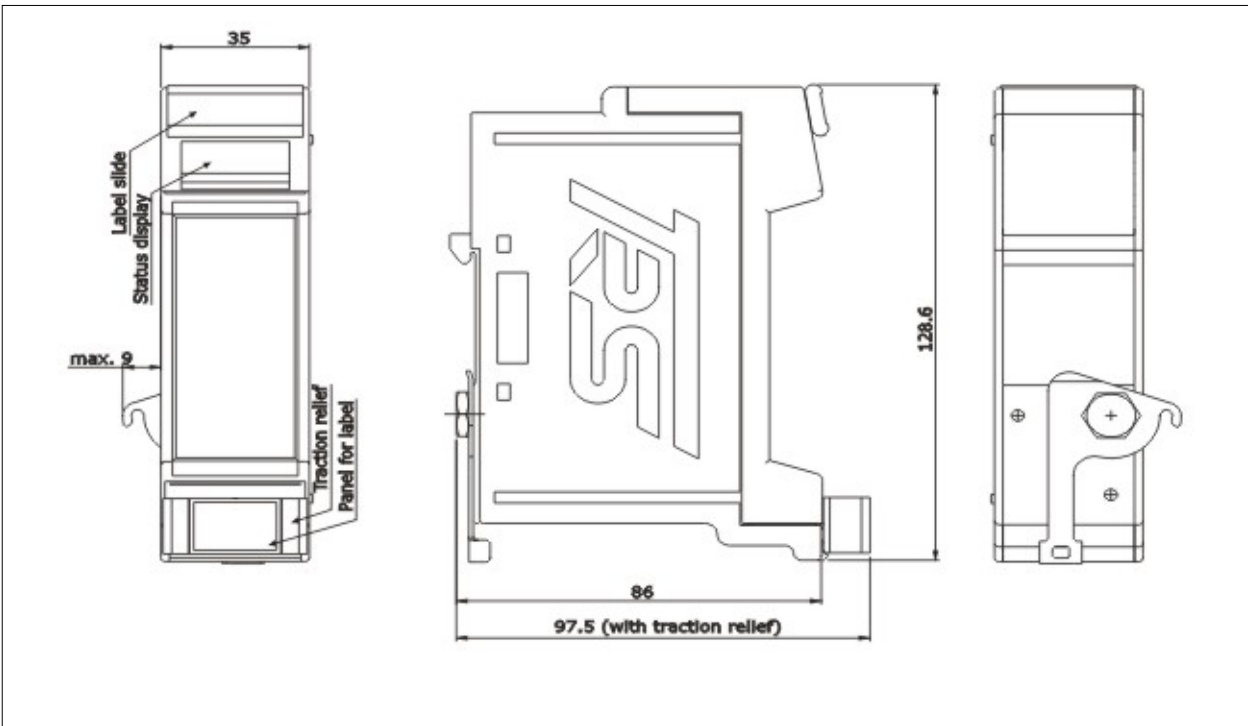
Environmental Conditions

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

P	4	4	1	0	L	-					R
							Description if installed in the right slot.				
						L= left slot					
						0= standard					
						1= current output					
						4= 4 channels					
						4= analog output					
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
01	added: electrical data operating current	09/03
02	added: Burden (see electrical data)	03/05

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