

analog output 4400



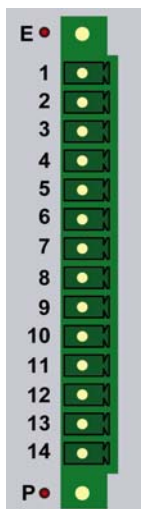
- 16 Bit analog output
- ± 10V
- 4 channels, simultaneous converting
- Galvanically isolated

I/O

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Pinout

LED:	Pin	Signal
0;	(8)	Ch0: positive output voltage
1;	(9)	Ch1: positive output voltage
2;	(10)	Ch2: positive output voltage
3;	(11)	Ch3: positive output voltage
4;	(12)	Ch0: negative output voltage
5;	(13)	Ch1: negative output voltage
6;	(14)	Ch2: negative output voltage
7;	(15)	Ch3: negative output voltage
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 +24V= *)
12	Power 0V *)
13	Power +24V=
14	Power 0V

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

Attributes

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

Applications:
 4 channels, analog voltage output
 available prints :

- @P4400L : 4 channels, 16 bit analog output, ±10V
- @P4400R : 4 channels, 16 bit analog output, ±10V

Related Applications:
 2 channels, analog voltage out

- @P4200 : 2 channels, 16 bit analog output ±10V

2/4 channels, analog current output

- @P4210 : 2 channels, 16 bit current output ±20mA
- @P4410 : 4 channels, 16 bit current output ±20mA

analog

output

Electrical Data

Power supply external.....	24V= ± 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.....	1MΩ
Input capacity	160nF
Maximum sampling frequency	20 kHz
Input frequency	
Resolution / Accuracy	16 bit / 13 bit
No. of converters.....	4, simultaneous sampling, no multiplexers

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System Information

System ID	0x0201
System address space	64 bit in, 64 bit out (4x2 Byte)

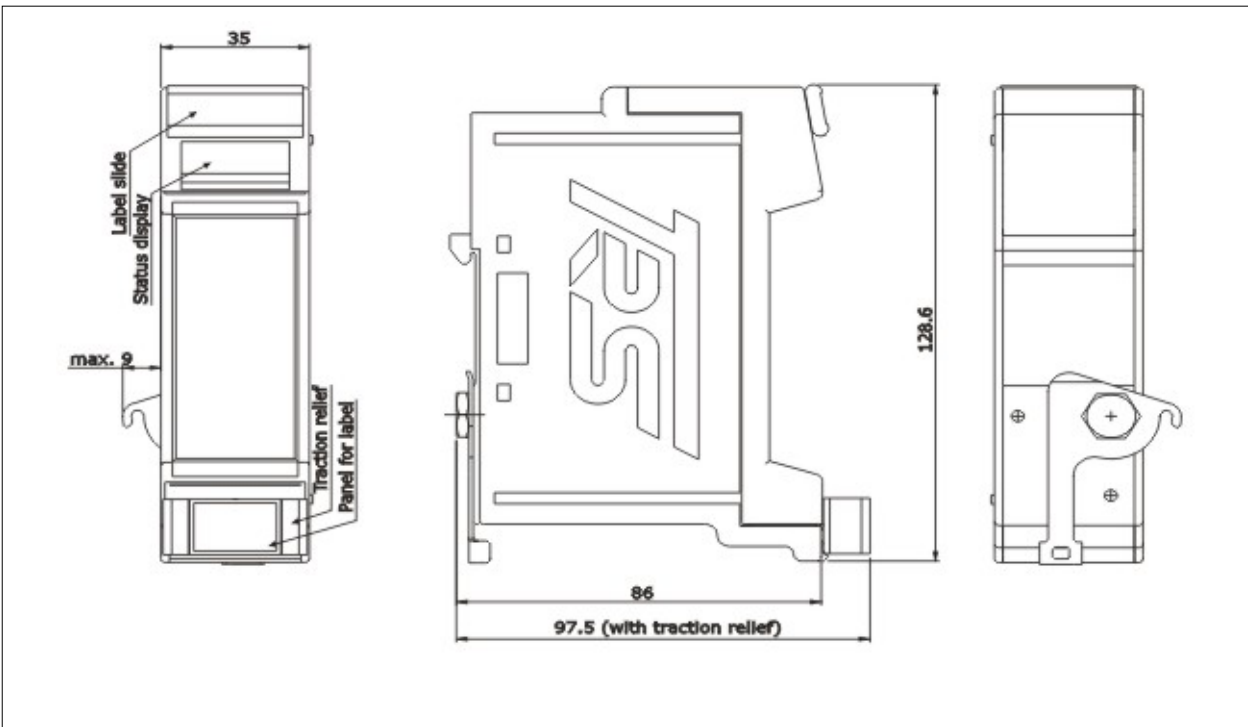
Environmental Conditions

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

@	[]	4	4	0	0	L	-	[]	[]	[]	[]	R
						L= left slot						R= right slot
						0= standard		Description if installed in the right slot.				
						0= voltage 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

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