

digital output 2412



- 4 bit digital output, 24 VDC, high side
- Output current 2.5 A
- Galvanically isolated
- Demagnetization of inductive loads
- Protection against short circuit, overcurrent, overhead, open load detection in ON state

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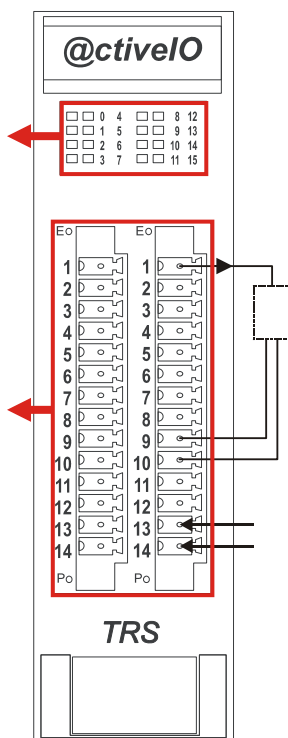


Pinout

LED	Signal
0; (8)	O 00 output active +24 V
1; (9)	O 01 output active +24 V
2; (10)	O 02 output active +24 V
3; (11)	O 03 output active +24 V
4; (12)	-
5; (13)	-
6; (14)	-
7; (15)	-

LED	Signal
E:	-
P:	Power supply active, red
PIN	Signal
1	O 00 Power +24 V
2	O 01 Power +24 V
3	O 02 Power +24 V
4	O 03 Power +24 V
5	Power +24 V
6	Power 0 V
7	Power +24 V
8	Power 0 V
9	Power +24 V
10	Power 0 V
11	Power +24 V
12	Power 0 V
13	Power +24 V
14	Power 0 V

All Power +24 V and Power 0 V are internal connected



Attributes

Dataformat:
Standard one byte (8-bit) format
Read Outputs

Applications:
4 bit digital output, high side
available prints:

- @P2412L: 4 bit, 24 VDC, 2.5 A high side, demagn.
- @P2412R: 4 bit, 24 VDC, 2.5 A high side, demagn.

recommended for inductive loads, hydraulic valve, 3-wire connection possible

Related Applications:
8 bit digital output, high side, 0.8 A:

- @P2810: 8 bit, 24 VDC, 0.8 A, high side, demagn.
- @P2813: 8 bit, 12 VDC, 0.8 A, high side, demagn.

4 bit digital output; high side 1.5 A:

- @P2411: 4 bit, 24 VDC, 1.5 A, high side, demagn.

Electrical Data

Power supply external.....	+24 V ±20 %
Operating current	15 mA at +24 V open load
Operating current @ctiveBus.....	85 mA at +3,3V / 0 mA at +5 V
Power supply protection.....	+30 V overvoltage, surge
Input resistance.....	15 KΩ
Output current	2.5 A each channel,
Input filter	2 msec
Input current.....	≤ 2 mA at +24 V
Max. current per contact	8 A

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System Information

System ID	0x0005
System address space	8 bit in, 8 bit out

Environmental Conditions

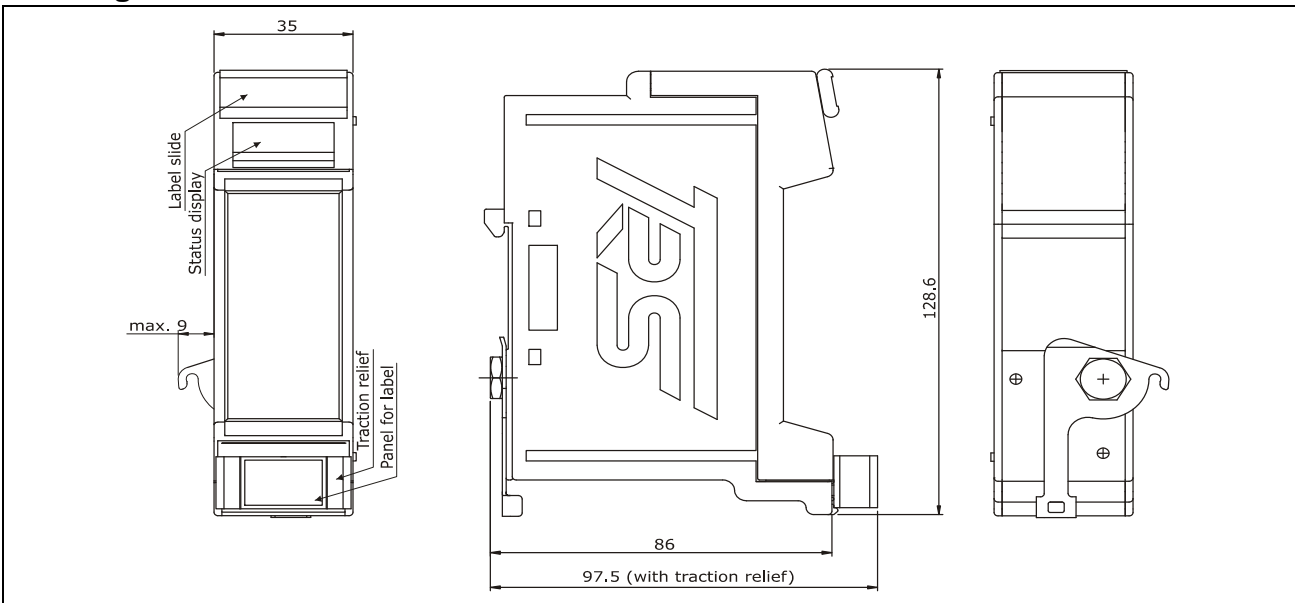
Electromagnetic compatibility (EMC)	EN61000-6-4 according EN55011
.....	EN61000-6-2 according EN61000-4-2, -4-4
Operating temperature [°C]	0 ... +55
Storage temperature [°C]	-20 ... +70
Humidity (rel.)	98 % (non condensing)
Protection class*	IP 20 (DIN 40 050)

*The protection class is valid only with housing and connector installed

Mechanical Data PCB

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

Drawing (effective if mounted in @M housing)



Ordering Key

@	[]	2	4	1	2	L	-	[]	[]	[]	[]	R
						L= left slot						R= right slot
						2= 2.5 A		Description if installed in the right slot.				
						1= current output						
						4= 4 channels						
						2= digital output						
						P= print only						
						X= print and cap						
						M= print and housing						