

digital input 1400



- 4 bit digital input
- Galvanically isolated
- Shock and vibration approved
- 24 VDC inputs
high > +16 V, low < +6 V

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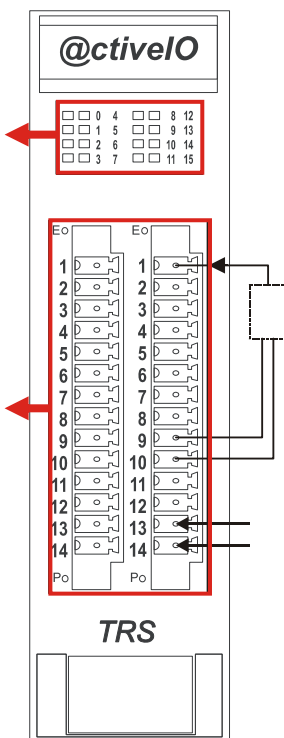


Pinout

LED	Signal
0; (8)	I 00 Input active >+16 V
1; (9)	I 01 Input active >+16 V
2; (10)	I 02 Input active >+16 V
3; (11)	I 03 Input active >+16 V
4; (12)	
5; (13)	
6; (14)	
7; (15)	

LED	Signal
E:	-
P:	Power supply active, red
PIN	Signal
1	I 00 Input 0
2	I 01 Input 1
3	I 02 Input 2
4	I 03 Input 3
5	Power +24 V
6	Power 0 V
7	Power +24V
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
All 0 V are internal connected



Attributes

Data format:
Standard byte (4 bit) format

- Applications:**
4 bit digital input
available prints:
- @P1400L: 4 bit, 24 VDC, 2 msec
 - @P1400R: 4 bit, 24 VDC, 2 msec

- Related Applications:**
8 bit digital input:
- @P1800: 8 bit, 24 VDC, 2 msec
- 8 bit digital fast input:
- @P1801: 8 bit, 24 VDC, 200 µsec
- 8 bit digital input:
- @P1803: 8 bit, 12 VDC, 2 msec
- 8 bit digital input with 10k Ohm
- @P1804: 8 bit, 24 VDC
10k Ohm Pull Down

Electrical Data

Power supply external.....	0 V required (+24 V ± 20 % optional, not required for input function)
Input protection	+30V overvoltage, surge
Input resistance.....	15 KΩ
Input current.....	≤ 2 mA at +24 V
Input filter	2 msec

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System information

System ID	0x0003
System address space	8 bit in, 8 bit out

Environmental Conditions

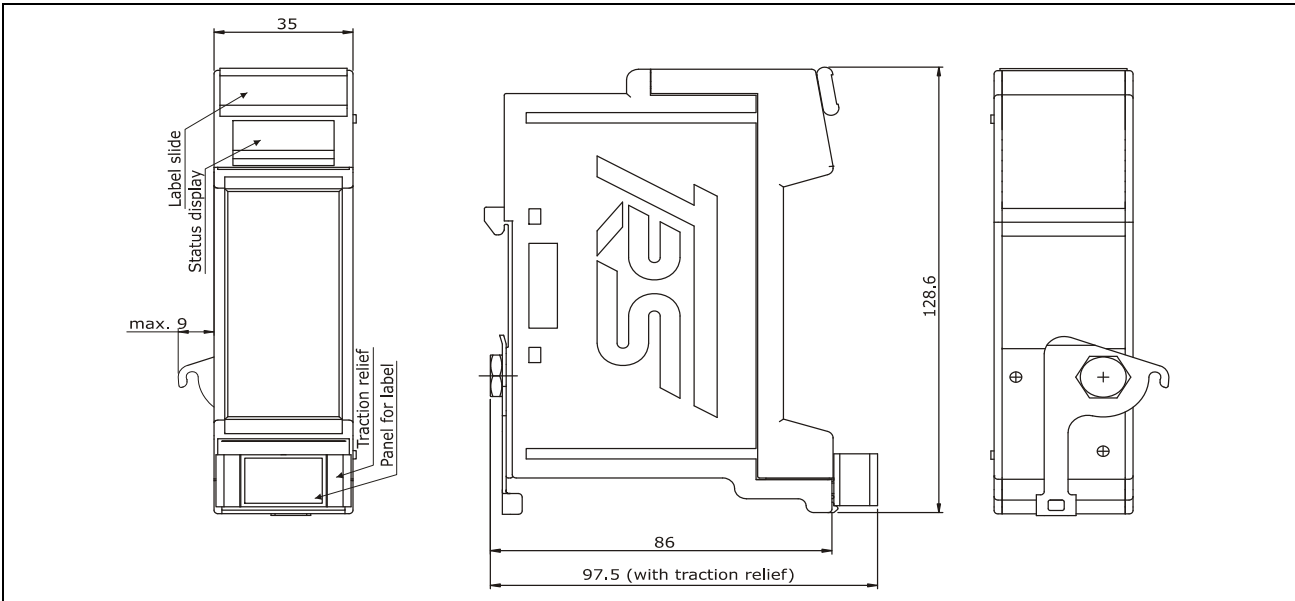
Electromagnetic compatibility (EMC)	EN61000-6-4 according EN55011
.....	EN61000-6-2 according EN61000-4-2, -4-4
Operating temperature [°C]	0 ... +55
Storage temperature [°C]	-20 ... +70
Humidity (rel.)	98 % (non condensing)
Protection class*	IP 20 (DIN 40 050)

*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

