

digital input 1804



- 8 bit digital input
- Galvanically isolated
- Single wire input
- Shock and vibration approved
- 10 kΩ Pull down resistor
- 24 VDC inputs
high > +16 V, low < +6 V

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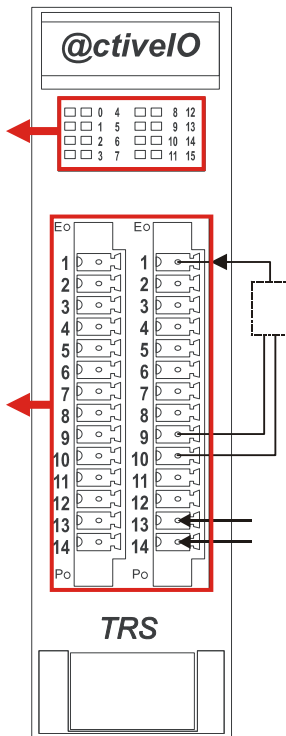


Pinout

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)	I 04 input active > +16 V
5; (13)	I 05 input active > +16 V
6; (14)	I 06 input active > +16 V
7; (15)	I 07 input active > +16 V

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	I 04 Input 4
6	I 05 Input 5
7	I 06 Input 6
8	I 07 Input 7
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 +12 V and Power 0 V are internal connected



Attributes

Data format:
Standard byte (8 bit) format

- Applications:**
8 bit digital input
Available prints:
- @P1804L: 8 bit, 24 VDC, 2 msec
 - @P1804R: 8 bit, 24 VDC, 2 msec

- Related Applications:**
8 bit digital input:
• @P1800: 8 bit, 24 VDC, 2 msec
- 8 bit digital input:
• @P1803: 8 bit, 12 VDC, 2 msec
- 8 bit digital fast input:
• @P1801: 8 bit, 24 VDC, 200 µsec
- 4 bit digital input:
• @P1400: 4 bit, 24 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)
Operating current	0 mA at +24 V
Operating current @ctiveBus.....	80 mA at +3.3 V / 0mA at +5V
Input protection	+30 V overvoltage, surge
Input resistance.....	< 10 kΩ
Input current.....	≤ 5 mA at +24 V
Input filter	2 msec

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System Information

System ID	0x000B
System address space	8 bit in, 8 bit out

Environmental Conditions

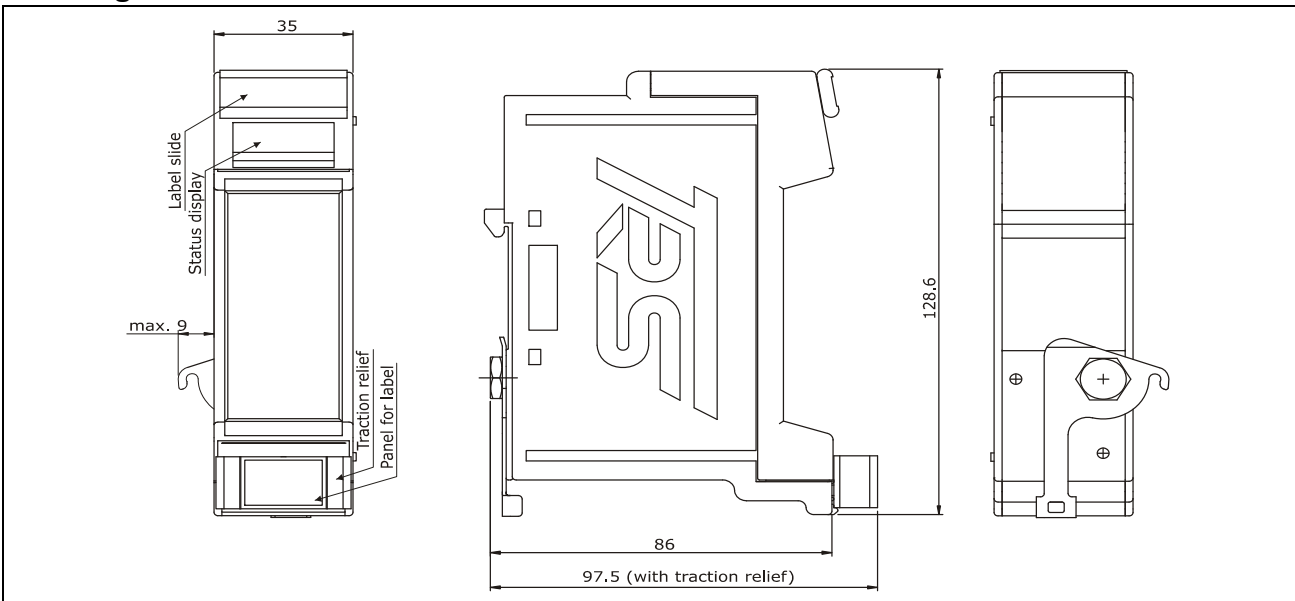
Electromagnetic compatibility (EMC)	EN61000-6-4 according EN55011
.....	EN61000-6-2 according EN61000-4-2, -4-4
Operating temperature [°C]	0 ... +55
Storage temperature [°C]	-20 ... +70
Humidity (rel.)	98 % (non condensing)
Protection class*	IP 20 (DIN 40 050)

*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

