

digital input 1803



- 8 bit digital input
- Galvanically isolated
- Shock and vibration approved
- Single wire input
- 12 VDC inputs
high >+10 V, low <+6 V

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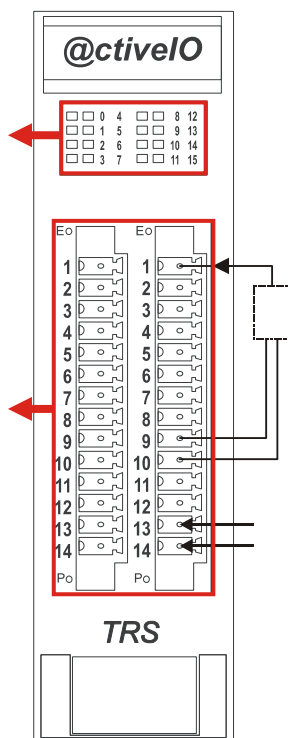


Pinout

LED	Signal
0; (8)	I 00 input active >+10 V
1; (9)	I 01 input active >+10 V
2; (10)	I 02 input active >+10 V
3; (11)	I 03 input active >+10 V
4; (12)	I 04 input active >+10 V
5; (13)	I 05 input active >+10 V
6; (14)	I 06 input active >+10 V
7; (15)	I 07 input active >+10 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 +12 V
10	Power 0 V
11	Power +12 V
12	Power 0 V
13	Power +12 V
14	Power 0 V

All Power +12 V and Power 0 V are internal connected



Attributes

Dataformat:
Standard byte (8-bit) format

- Applications:**
8 bit digital input
Available prints :
- @P1803L: 8 bit, 12 VDC, 2 msec
 - @P1803R: 8 bit, 12 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
 - 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 (+12V ±20% optional, not required for input function)
Operating current.....	0 mA at +12 V
Operating current @ctiveBus.....	85 mA at +3,3 V / 0 mA at +5 V
Input protection.....	30 V overvoltage, surge
Input resistance.....	15 KΩ
Input current.....	≤ 2 mA at +12 V
Input filter.....	2 msec

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System Information

System ID	0x000A
System address space	8 bit in, 8 bit out

Environmental Conditions

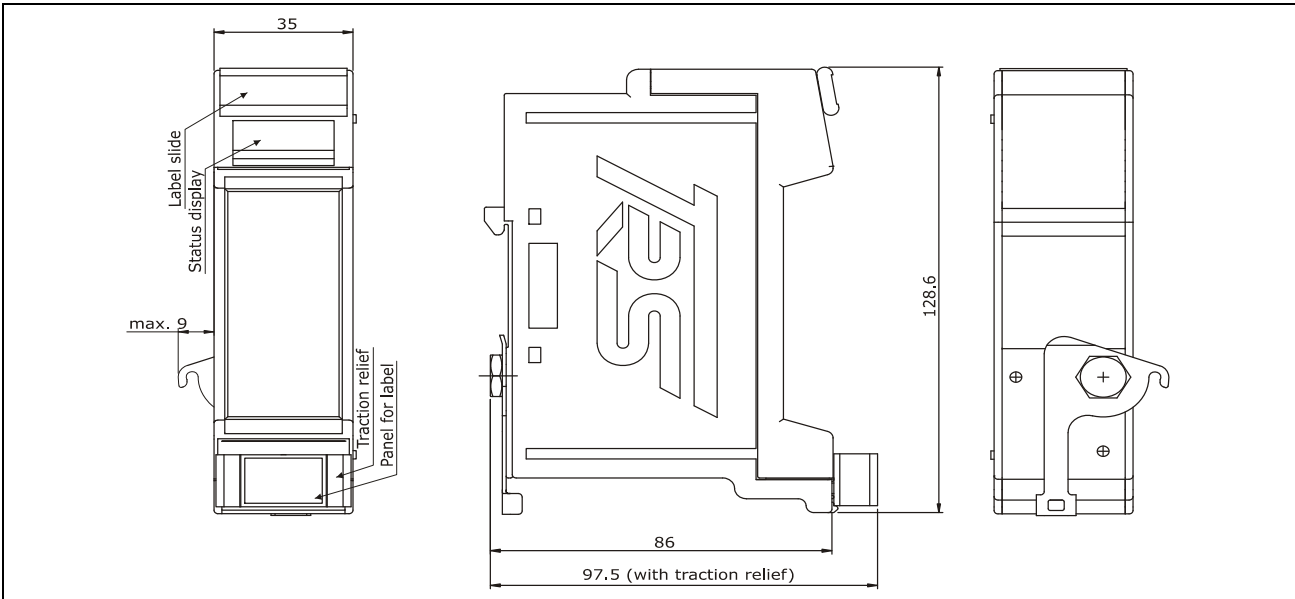
Electromagnetic compatibility (EMC)	EN61000-6-4 according EN55011
.....	EN61000-6-2 according EN61000-4-2, -4-4
Operating temperature [°C]	0 ... +55
Storage temperature [°C]	-20 ... +70
Humidity (rel.)	98 % (non condensing)
Protection class*	IP 20 (DIN 40 050)

*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

