

digital input 1800



- 8 bit digital input
- Galvanically isolated
- Shock und vibration approved
- Single wire input
- 24 VDC input
high >+16 V, low <+6 V

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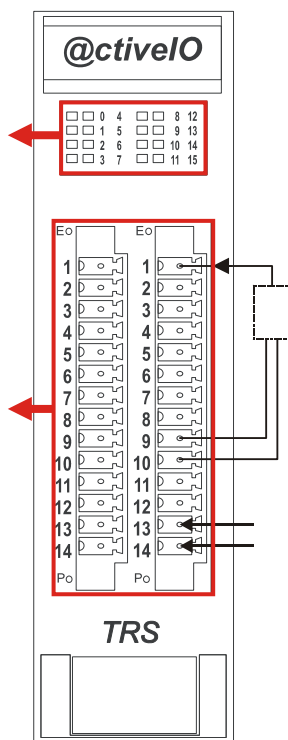


Pinout

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 +24 V and All 0 V are internal connected



Attributes

Data format:
Standard byte (8 bit) format

- Applications:**
8 bit digital input
available prints :
- @P1800L: 8 bit, 24 VDC, 2 msec
 - @P1800R: 8 bit, 24 VDC, 2 msec

- Related Applications:**
8 bit digital fast input:
- @P1801: 8 bit, 24 VDC, 200 µsec

- 4 bit digital input; 3-wire:
- @P1400: 4 bit, 24 VDC, 2 msec

- 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)
Operating current	20 mA at +24 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 +24 V
Input filter	2 msec

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System Information

System ID	0x0001
System address space.....	8 bit in, 8 bit out

Environmental Conditions

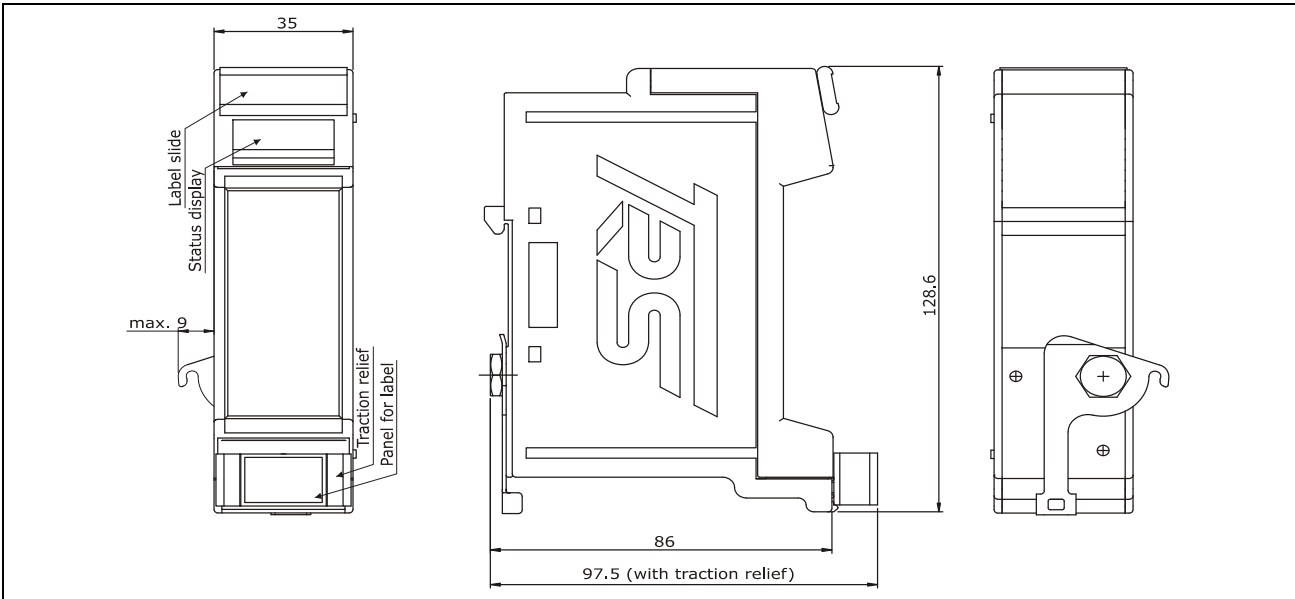
Electromagnetic compatibility (EMC)	EN61000-6-4 according EN55011
.....	EN61000-6-2 according EN61000-4-2, -4-4
Operating temperature [°C].....	0 .. +55
Storage temperature [°C].....	-20 .. +70
Humidity (rel.).....	98 % (non condensing)
Protection class*	IP 20 (DIN 40 050)

*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

