

digital output 2810

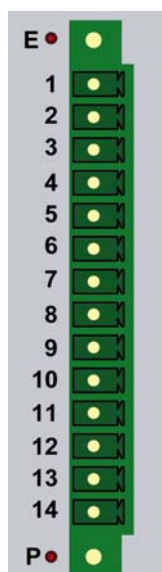
I/O



- 8 Bit digital output, 24VDC, high side
- Output current 0.8A
- Galvanically isolated
- Demagnetization of inductive loads
- Protection against short circuit, overcurrent, overtemperature, open load detection in ON state

Pinout

0	4	8	12
1	5	9	13
2	6	10	14
3	7	11	15



LED:	
0; (8)	Output O 00 : 24VDC
1; (9)	Output O 01 : 24VDC
2; (10)	Output O 02 : 24VDC
3; (11)	Output O 03 : 24VDC
4; (12)	Output O 04 : 24VDC
5; (13)	Output O 05 : 24VDC
6; (14)	Output O 06 : 24VDC
7; (15)	Output O 07 : 24VDC
P:	power supply, red
E:	output failure, red

Pin	Signal	
1	O 00	24VDC
2	O 01	24VDC
3	O 02	24VDC
4	O 03	24VDC
5	O 04	24VDC
6	O 05	24VDC
7	O 06	24VDC
8	O 07	24VDC
9	Power	24VDC
10	Power	0V
11	Power	24VDC
12	Power	0V
13	Power	24VDC
14	Power	0V

All Power 24VDC and Power 0V are internal connected

Attributes

Dataformat:

Standard byte (8-bit) format.
Possible to read outputs.

Applications:

8 bit digital output, high side
available prints :

- @P2810L: 8 bit, 24VDC, 0.8A, high side, demagnetization
- @P2810R: 8 bit, 24VDC, 0.8A, high side, demagnetization

Related Applications:

4 bit digital output, high side:

- @P2411: 4 bit, 24VDC 1.5A, high side, demagn.
- @P2412: 4 bit, 24VDC 2.5A, high side, demagn.

8 bit digital output; high side:

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

digital

output

Electrical Data

Power supply external.....	24VDC ±20%
Operating current.....	10mA at 24VDC open load
Operating current @ctiveBus.....	105mA at 3,3V / 0mA at 5V
Power supply protection.....	30V overvoltage, surge
Input resistance.....	15KΩ
Output current.....	0.8A each channel,
Input filter.....	2msec.
Input current.....	≤2mA at 24VDC
Max. current per contact.....	8A

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System Information

System ID 0x0002
 System address space 8 bit

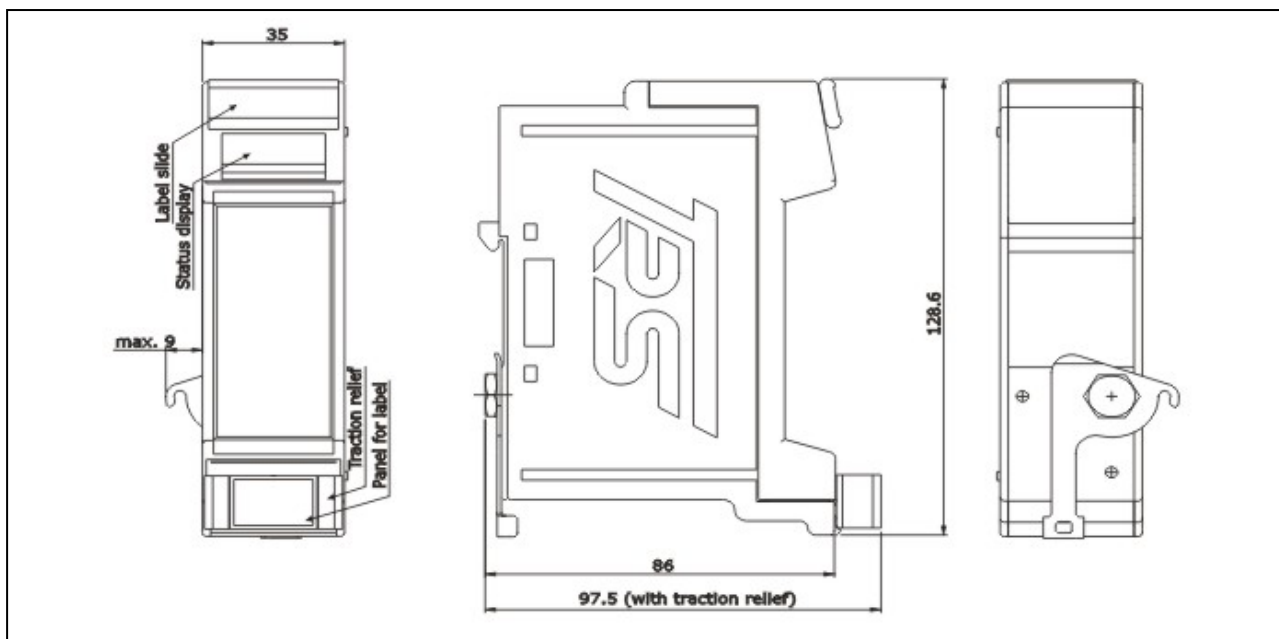
Environmental Conditions

Electromagnetic compatibility (EMC) EN 61000-4-2 (IEC-801-2) / EN 61000-4-4 (IEC-801-4)
 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

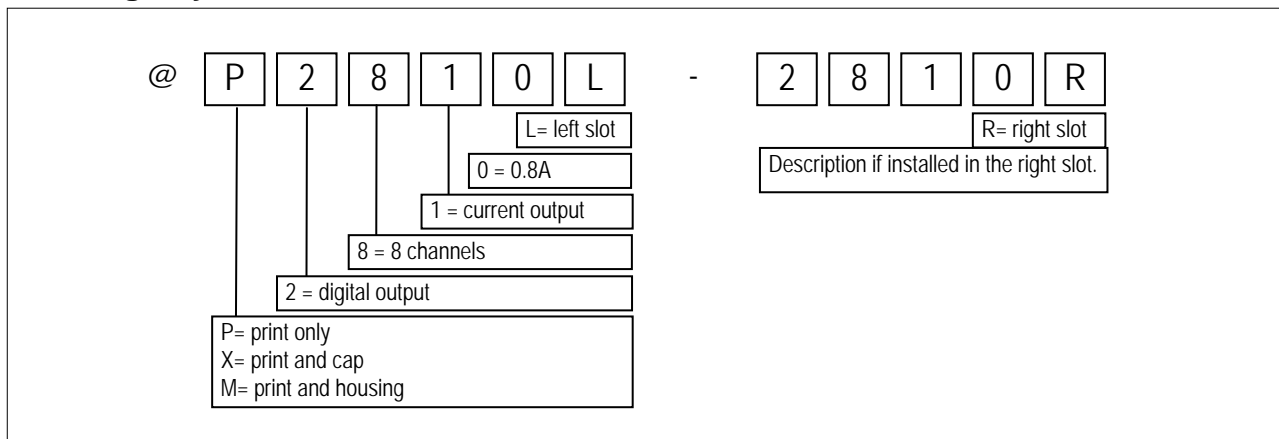
Mechanical Data PCB

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

Drawing (effective if mounted in @M housing)



Ordering Key

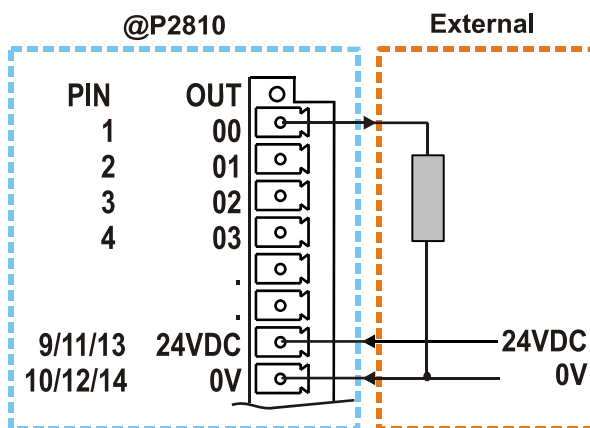


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notes:

Connecting scheme



I/O

digital

output

Revision history

Version	Description	Date (m/y)
00	serie 0	09/02
01	Redesign: Electrical Data changed	12/03