# digital output relay 2430

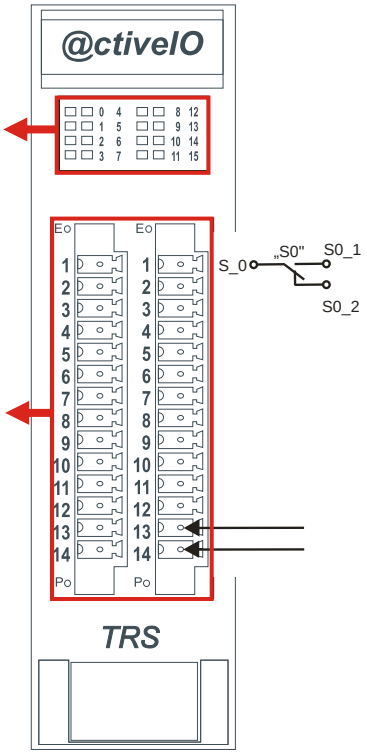
- **4 Relais form 1a1b contact 24 VDC 1 A**
- **Shock and vibration approved**
- **Galvanicaly isolated**

Digital output | robust | EMI

## Pinout

| LED | Signal |
|---|---|
| 0; (8) | S0_2 output active |
| 1; (9) | S1_2 output active |
| 2; (10) | S2_2 output active |
| 3; (11) | S3_2 output active |
| 4; (12) | S0_1 output active |
| 5; (13) | S1_1 output active |
| 6; (14) | S2_1 output active |
| 7; (15) | S3_1 output active |

| LED | Signal |
|---|---|
| E: | output failure, red |
| P: | power supply, red |
| **PIN** | **Signal** |
| 1 | S0_0 |
| 2 | S0_1 |
| 3 | S0_2 |
| 4 | S1_0 |
| 5 | S1_1 |
| 6 | S1_2 |
| 7 | S2_0 |
| 8 | S2_1 |
| 9 | S2_2 |
| 10 | S3_0 |
| 11 | S3_1 |
| 12 | S3_2 |
| 13 | Power +24 V |
| 14 | Power 0 V |




## Attributes

**Dataformat:**
Standard one byte (8-bit) format
Possibility to readback outputs

**Applications:**
8(4) bit relay output
available prints :

- @P2430L: 8(4) bit, 24 VDC, 1 A
- @P2430R: 8(4) bit, 24 VDC, 1 A

**Releated Applications:**
4 bit digital output, high side:

- @P2411: 4 bit, 24 VDC, 1.5 A, high side, demagn.
- @P2412: 4 bit, 24 VDC, 2.5 A, high side, demagn.
- @P2420: 4 bit 230 VAC, 0.5 A relay output

8 bit digital output; high side:

- @P2810: 8 bit, 24VDC, 0.8A high side, demagn.
- @P2813: 8 bit, 12VDC, 0.8A, high side, demagn.

## Electrical Data

| | |
|---|---|
| Power supply external | +24 V ±20 % |
| Operating coil current per relais | 10 mA at +24 V, each relais |
| Operating current @ctiveBus | 85 mA at +3.3 V / 0 mA at +5 V |
| Max. current per contact | 1 A continuous, 2 A peak, each relais |
| Expected lifetime per relais | $10^5$ |
| Breakdown voltage between contact and coil | 1500 V |
| Set / reset time contact | 4 msec. |
| Contact material | gold-clad silver alloy |

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## System Information

| | |
|---|---|
| System ID | 0x00C |
| System address space | 8 bit in, 8 bit out |

## Environmental Conditions

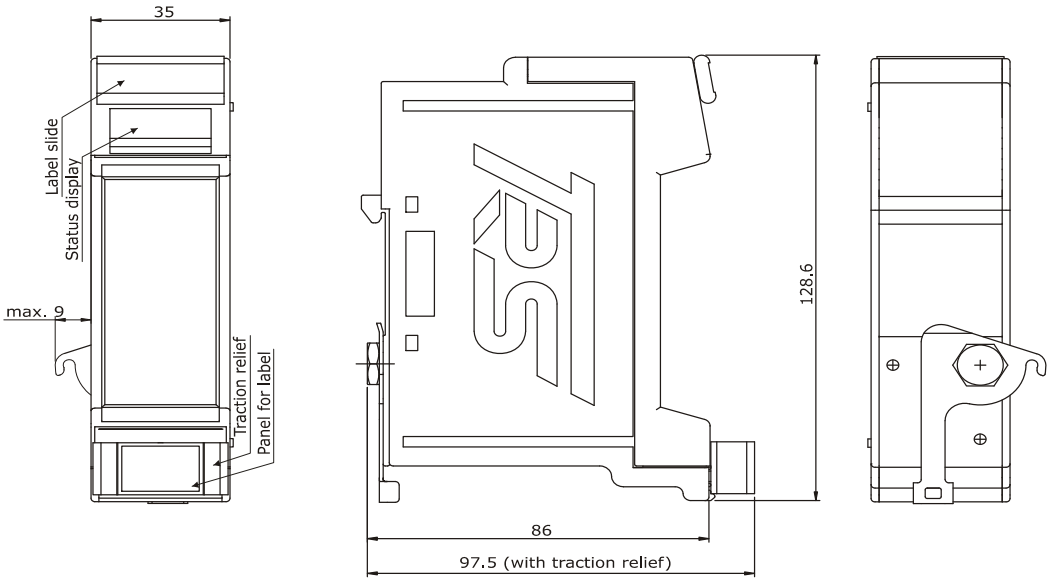
| | |
|---|---|
| Electromagnetic compatibility (EMC) | EN61000-6-4 according EN55011 |
| | EN61000-6-2 according EN61000-4-2, -4-4 |
| Operating temperature [°C] | 0 ... +55 |
| Storage temperature [°C] | -20 ... +70 |
| Humidity (rel.) | 98 % (non condensing) |
| Protection class* | IP 20 (DIN 40 050)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

*The protection class is valid only with housing and connector installed

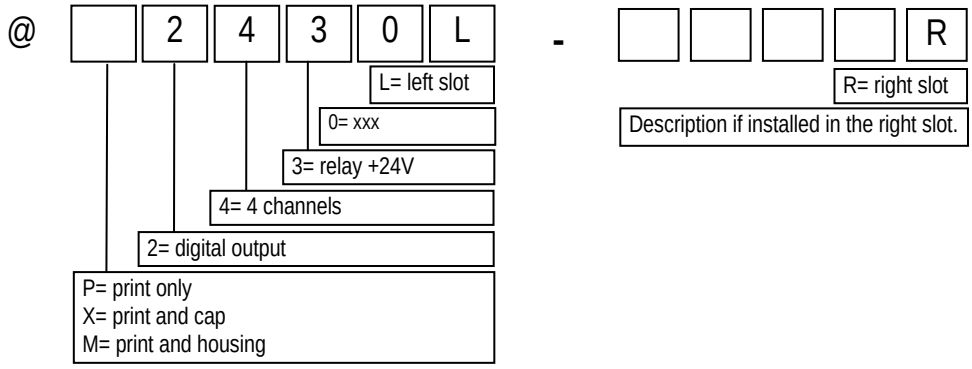
## Mechanical Data PCB

| | |
|---|---|
| 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

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