



### Main

|                           |                                       |
|---------------------------|---------------------------------------|
| Range of product          | Modicon TSX Micro automation platform |
| Product or component type | Discrete solid state I/O base DC      |
| Discrete input number     | 16 1 HE-10 connector                  |
| Discrete input voltage    | 24 V DC positive                      |
| Discrete input current    | 7 mA                                  |
| Discrete input type       | Resistive                             |
| Discrete output number    | 12 1 HE-10 connector                  |
| Discrete output voltage   | 24 V DC                               |
| Discrete output current   | 0.5 mA                                |
| Discrete output logic     | Positive                              |

### Complementary

|                                 |                                                                                                                                                                                  |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Input voltage limits            | < 5 V at state 0<br>>= 11 V at state 1                                                                                                                                           |
| Input current limits            | <= 1.5 mA at state 0<br>>= 2.5 mA at state 1                                                                                                                                     |
| Input impedance                 | 3.4 Ohm                                                                                                                                                                          |
| Response time                   | 0.1...7.5 ms from state 0 to state 1 input<br>0.1...7.5 ms from state 1 to state 0 input<br><= 0.5 ms from state 0 to state 1 output<br><= 0.5 ms from state 1 to state 0 output |
| Input compatibility             | 2-wire/3-wire proximity sensor                                                                                                                                                   |
| Current consumption             | 132 mA                                                                                                                                                                           |
| Power dissipation in W          | 5 W input<br>0.15 W by channel output<br>3.5 W by module output                                                                                                                  |
| Output voltage limits           | 19...30 V                                                                                                                                                                        |
| Output current limits           | 0.625 A                                                                                                                                                                          |
| Leakage current                 | <= 0.5 mA at state 0                                                                                                                                                             |
| [Ures] residual voltage         | <= 0.3 V                                                                                                                                                                         |
| Load impedance ohmic            | 48 Ohm                                                                                                                                                                           |
| Switching frequency             | < 0.6/LI <sup>2</sup> Hz                                                                                                                                                         |
| Output overvoltage protection   | By zener diode                                                                                                                                                                   |
| Output short-circuit protection | By current limiter and electronic circuit breaker                                                                                                                                |
| Reverse polarity protection     | Reverse diode on power supply                                                                                                                                                    |
| Paralleling of outputs          | Yes : 2 maximum                                                                                                                                                                  |
| Isolation voltage               | 1500 V 1 s                                                                                                                                                                       |
| Product weight                  | 0.33 kg                                                                                                                                                                          |

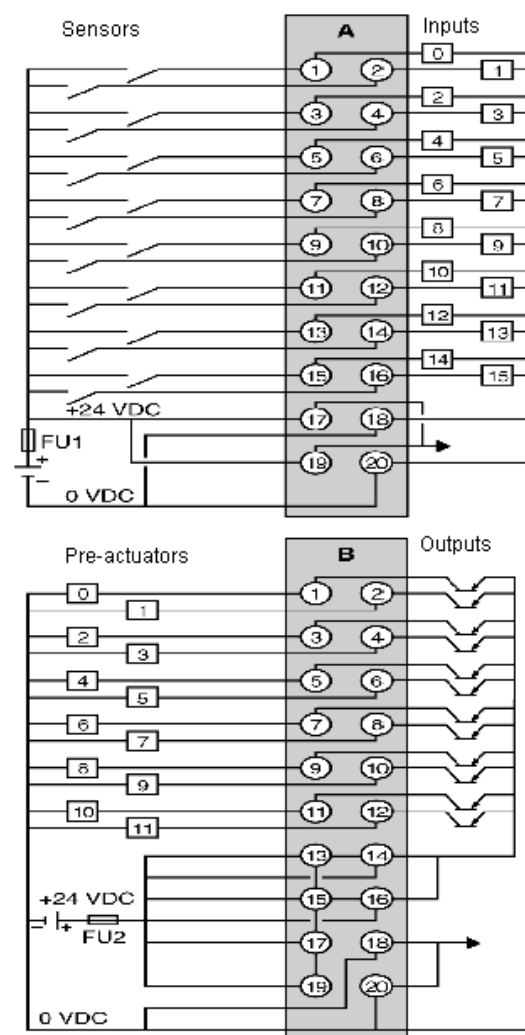
### Environment

|           |                   |
|-----------|-------------------|
| Standards | IEC 1131-2 Type 1 |
|-----------|-------------------|

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## Sensors/Inputs and pre-Actuators/Outputs Connections

### Wiring Diagram



FU1 = 0.5A fuse with rapid fusion.

FU2 = 6.3A fuse with rapid fusion.