



Cloud enabled controller



Features

- Cloud I/O and control
- Fully encrypted cloud interface
- Configuration free setup
- JSON based command interface
- Serial data router
- Industrial temp. Range -40 .. +85 °C
- 8 digital / analog inputs / outputs
- Configurable inputs (voltage, timing, event)
- Power fail safe counters / elapsed time meters
- User configurable logic engine
- h2n App for tablet / smartphone

General Data

| | |
|-----------------------|----------------------------------|
| Temperature Operation | - 40 .. 85 °C |
| Weight (net/gross) | 62 g |
| Dimension(W x D x H) | 17,8x 60 x 89 mm |
| Mechanics | DIN Rail Mount 1 TE Weight 62 |
| Screw Connector | 0,14 .. 1,5 mm2 solid / stranded |
| ESD | IEC 61000-4-2 up to 8 kV |

Power Supply

| | |
|------------------------|---------------------------------------|
| Power Consumption | 600 mW typ (no digital output active) |
| Operating Voltage (VS) | 11 .. 32 V |

Digital Output (IEC61131-2)

| | |
|---------------------------------|--------------------------------------|
| Digital Output Voltage High | (VS-0,1 V) .. VS |
| Power Switch On Resistance | 100mΩ max at 25 °C |
| Digital Output Current | 0,7 A |
| Output Short Circuit Current | 0,7 A cont. 1,4 A peak at 25 °C |
| Output Current Off | +/- 5 μA |
| Turn on Voltage Slope | 3 V / μs typical 4 V / μs typical |
| Digital Output Thermal Shutdown | 135 °C |

Analog / Digital Input (IEC61131-2)

| | |
|----------------------------|--------------------------|
| Analog Input Voltage Range | 0 .. 10 V |
| Analog Input Resistance | R1 ≥ 10 KΩ |
| Digital Input Threshold | Configurable (0 .. 10 V) |

Headquarter

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| | |
|-----------------------|---------------------------|
| Digital Input Range | - 0.5 .. 36 V |
| Digital Input Current | Programmable (0 / 1,5 mA) |
| RS 232 | |
| Signals | TX, RX, RTS, CTS |
| Baudrate | 115 kBaud max |
| Max Input Voltage | -25 .. 25 V |
| Min Output Voltage | -5 .. 5V |
| RS 485 | |
| Signals | A+, B-; half duplex |
| Baudrate | 250 kBaud max |
| Ethernet | |
| Speed | 10/100 BaseT |
| Connector | Industrial RJ45 shielded |

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