

Main

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| Range of product | Modicon Quantum automation platform |
| Product or component type | High-speed counter module |
| Number of channels | 2 |
| Discrete output number | 4 |
| Discrete output type | Field Effect Transistor (FET) |
| Local signalling | 2 LED channel status |
| Module format | Standard |

Complementary

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| Addressing requirement | 6 input words 6 output words |
| Data format | 65535 dec 16 bits 2147483647 dec 32 bits |
| Counting input type | Incremental or quadrature |
| Counting frequency | 500000 Hz |
| Discrete input voltage | < 30 V |
| Operating mode | Incremental or quadrature discrete input |
| Input resistance | 10 kOhm discrete input |
| Operating threshold | 0...11 V single ended mode 24 V DC at state off 0...2 V single ended mode 5 V DC at state on 0 V single ended mode 12 V DC at state on 2...7 V single ended mode 12 V DC at state off 3,5...5 V single ended mode 5 V DC at state off 13...24 V single ended mode 24 V DC at state on ≥ 1,8 V differential mode |
| Discrete output voltage | 0 V switch off DC 0,4 V switch on DC |
| Load current | 0,5 A |
| Leakage current | ≤ 0,4 mA state off |
| Voltage drop | 0,4 V state on |
| Protection type | 36 V transorb discrete output |
| Isolation between channels and bus | 1780 Vrms 60 s |
| Fault type | Loss of output field power |
| Output short-circuit protection | Blown fuse 2,5 A |
| Power dissipation | 4 + (0,4 x total module load current) |
| Bus current requirement | 650 mA |
| External power requirement | 19,2...30 V |
| Rack type | Distributed Local Remote |
| Marking | CE |
| Current consumption | ≤ 1050 mA 24 V DC external power supply |
| Product weight | 0,35 kg |

Environment

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|---------------------------------------|---|
| Resistance to electrostatic discharge | 4 kV contact IEC 801-2 8 kV on air IEC 801-2 |
| Resistance to electromagnetic fields | 10 V/m 80...1000 MHz IEC 801-3 80...1000 MHz |
| Ambient air temperature for operation | 0...60 °C |
| Ambient air temperature for storage | -40...85 °C |
| Relative humidity | 95 % without condensation |
| Operating altitude | ≤ 5000 m |
| Standards | UL 508 |
| Product certifications | C-Tick.1 CSA No 142 FM Class 1 Division 2 UL |
| RoHS EUR conformity date | 4Q2009 |
| RoHS EUR status | Will be compliant |