



Main

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| Range of product | Modicon OTB |
| Product or component type | I/O distributed module |
| Integrated connection type | Non isolated serial link 2 x RJ45 in parallel, master/slave Modbus, RTU/ASCII, transmission mode: asynchronous in baseband, RS485, transmission mode: 2 twisted shielded pairs at 1.2...38.4 kbit/s half duplex |
| Discrete input number | 12 conforming to EN/IEC 61131 type 1 |
| Discrete input logic | Sink or source |
| Discrete input current | 5 mA for I0...I1 5 mA for I6...I7 7 mA for I2...I5 7 mA for I8...I11 |
| Discrete output number | 2 solid state PNP Q0...Q1 output logic: source 6 relay Q2...Q7 |
| Discrete output current | 2000 mA relay 2000 mA relay 300 mA solid state |

Complementary

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|-------------------------------|---|
| Topology | Devices linked by daisy-chaining or tap junctions |
| Bus length | 0...32.81 ft (0...10 m) tap-off length: 0...49.21 ft (0...15 m) |
| Number of devices per segment | 0...32 |
| Data format | 7 or 8 bits, 1 or 2 stop bits |
| Parity | Even No Odd |
| Discrete input voltage | 24 V |
| Discrete input voltage type | DC |
| Discrete input type | NPN or PNP |
| Input voltage limits | 20.4...26.4 V |
| Electronic filtering time | 0.035 ms I0...I1 at state 1 0.035 ms I0...I1 at state 1 0.035 ms I6...I7 at state 1 0.04 ms I2...I5 at state 1 0.04 ms I8...I11 at state 1 0.045 ms I0...I1 at state 0 0.045 ms I6...I7 at state 0 0.15 ms I2...I5 at state 0 0.15 ms I8...I11 at state 0 |
| Configurable filtering time | 0 ms 12 ms 3 ms |
| Input impedance | 3.4 kOhm for I2...I5 3.4 kOhm for I2...I5 3.4 kOhm for I8...I11 5.7 kOhm I0...I1 5.7 kOhm I6...I7 |
| Discrete output voltage | 24 V DC solid state 240 V AC relay 30 V DC relay |
| Output voltage limits | 20.4...28.8 V solid state |
| Maximum output current | 360 mA solid state |
| Current per output common | 8 A relay 8 A relay <= 0.72 A solid state |
| Current consumption | 30 mA at 5 V DC (at state 1) relay output 40 mA at 24 V DC (at state 1) relay output |

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|---|---|
| | 5 mA at 5 V DC (at state 0) relay output |
| Output overvoltage protection | 38...40 V |
| Tungsten load | 8 W for solid state |
| Response time | 300 µs at state 0 relay 300 µs at state 0 relay 300 µs at state 1 relay 5 µs at state 0 solid state 5 µs at state 1 solid state |
| Switchable load | >= 0.1 mA |
| Contact bounce time | <= 1 ms relay |
| Leakage current | <= 0.1 mA at state 0 for solid state |
| Drop-out voltage | <= 1 V at state 1 |
| Insulation between channel and internal logic | 1500 Vrms for 1 minute relay output 1500 Vrms for 1 minute relay output 500 Vrms for 1 minute input circuit 500 Vrms for 1 minute solid state output |
| Insulation between channels | None |
| Contact resistance | <= 30 mOhm |
| Electrical durability | 500000 cycles AC-1 with 500 VA load for relay output 500000 cycles AC-14 with 250 VA load for relay output 500000 cycles AC-15 with 200 VA load for relay output 500000 cycles DC-1 with 60 W load for relay output 500000 cycles DC-13 with 30 W load for relay output |
| Supply circuit type | DC |
| [Us] rated supply voltage | 24 V |
| Supply voltage limits | 20.4...26.2 V |
| Input current | <= 700 mA at 26.2 V for supply circuit |
| Inrush current | <= 1 A for solid state output <= 1 A for solid state output <= 50 A for supply circuit |
| Power consumption in W | 19 W |
| Number of I/O expansion module | 7 |
| I/O expansion capacity | 132 with screw terminal discrete I/O module(s) 188 with spring terminal discrete I/O module(s) 244 with HE10 connector discrete I/O module(s) 7 x 8I or 7 x 2I or 7 x (4I/2O) with screw terminal analogue I/O module(s) |
| Insulation resistance | >= 10 mOhm between power supply and earth >= 10 mOhm between I/O and earth terminals |
| I/O connection | Removable screw terminal block |
| Number of common point | 1 input 1 solid state output 1 relay output (1 NO) 1 relay output (2 NO) 1 relay output (3 NO) |
| Counting input number | 2 |
| Counting capacity | 32 bits |
| Counting frequency | 20000 Hz 5000 Hz |
| Pulse generator number | 2 |
| Pulse generator frequency | 7 kHz |
| Pulse generator function | RPLS pulse generator output RPWM pulse width modulation |
| Marking | CE |
| Fixing mode | By clips on 35 mm symmetrical DIN rail By screws on panel with fixing kit By screws on solid plate with fixing kit |
| Status LED | 1 LED per channel, green I/O 1 LED per channel, green I/O 1 LED, green PWR 1 LED, red ERR 1 LED, yellow COM |
| Product weight | 0.42 lb(US) (0.19 kg) |

Environment

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|---------------------------------------|--|
| IP degree of protection | IP20 |
| immunity to microbreaks | 10 ms for supply circuit |
| dielectric strength | 500 V between I/O and earth terminals 500 V between I/O and earth terminals 500 V between power supply and earth |
| standards | CSA EN 61131-2 IEC 61131-2 UL 508 CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 213 Class I Division 2 Group B CSA C22.2 No 213 Class I Division 2 Group C CSA C22.2 No 213 Class I Division 2 Group D |
| product certifications | CULus |
| ambient air temperature for operation | 32...131 °F (0...55 °C) |
| ambient air temperature for storage | -13...158 °F (-25...70 °C) |
| relative humidity | 30...95 % without condensation |
| pollution degree | 2 conforming to EN 60664 2 conforming to EN 60664 2 conforming to IEC 60664 |
| operating altitude | 0...6561.68 ft (0...2000 m) |
| storage altitude | 0...9842.52 ft (0...3000 m) |
| vibration resistance | 0.075 mm (f = 10...57 Hz) on 35 mm symmetrical DIN rail 1 gn (f = 57...150 Hz) on 35 mm symmetrical DIN rail |
| shock resistance | 15 gn 11 ms conforming to EN 61131 15 gn 11 ms conforming to EN 61131 15 gn 11 ms conforming to IEC 61131 |
| resistance to electrostatic discharge | 8 kV in air conforming to IEC 61000-4-2 4 kV in contact conforming to IEC 61000-4-2 8 kV in air conforming to EN 61000-4-2 4 kV in contact conforming to EN 61000-4-2 |
| resistance to radiated fields | 9.14 V/yd (10 V/m), 80000000...2000000000 Hz conforming to EN 61000-4-3 9.14 V/yd (10 V/m), 80000000...2000000000 Hz conforming to EN 61000-4-3 9.14 V/yd (10 V/m), 80000000...2000000000 Hz conforming to IEC 61000-4-3 |
| resistance to fast transients | 1 kV for 24 V solid state I/O conforming to IEC 61000-4-4 2 kV for 24 V supply conforming to IEC 61000-4-4 |

Offer Sustainability

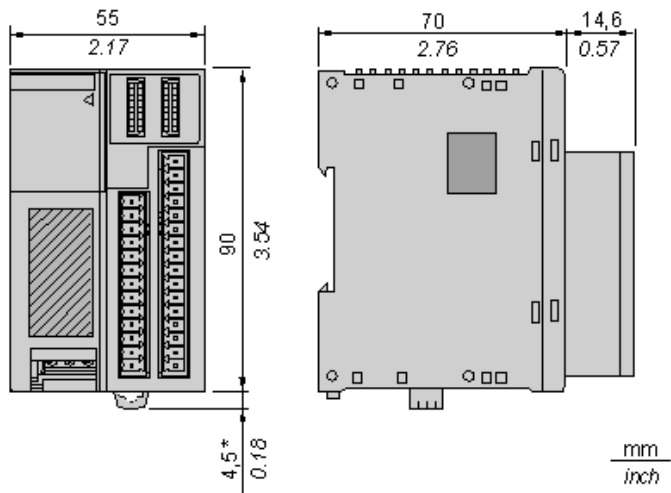
| | |
|--|--|
| WARNING: This product can expose you to chemicals including: | WARNING: This product can expose you to chemicals including: |
| Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. | Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. |
| For more information go to www.p65warnings.ca.gov | For more information go to www.p65warnings.ca.gov |

Contractual warranty

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|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

Network Interface Module

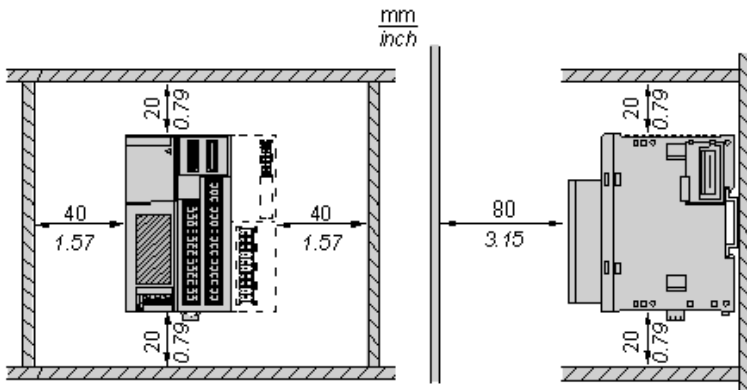
Dimensions



NOTE: * 8.5 mm (0.33 in) when the clamp is pulled out.

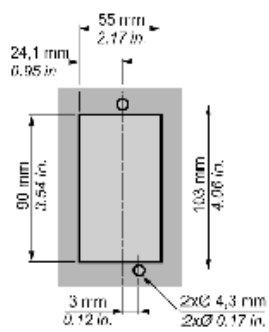
Mounting an Island on a Panel or in a Cabinet

Spacing Requirements



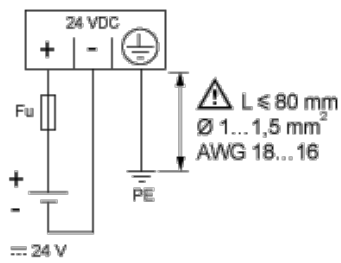
Panel Mounting

Position of the Mounting Holes for the Network Interface Module



24 Vdc Power Supply

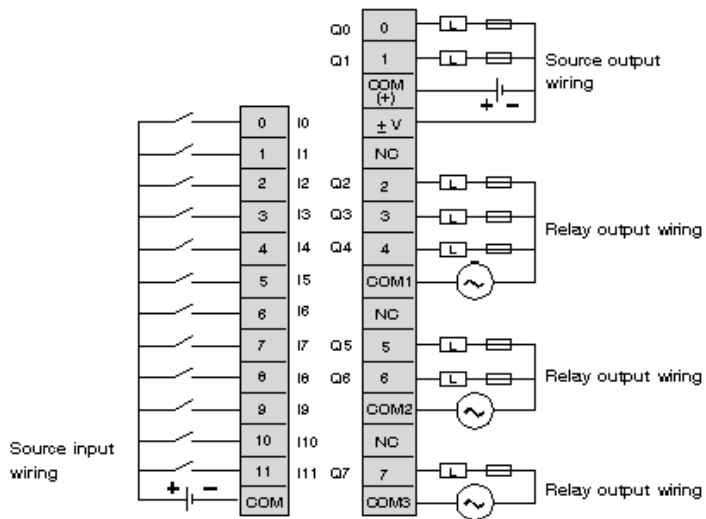
Wiring Diagram



Fu 2 A fast-blow fuse ABE7FU200

Network Interface Module

Wiring Diagram



- | Output points 0 and 1 are source transistor outputs, all other output points are relay.
- | The COM terminals are **not** connected together internally.
- | Connect an appropriate fuse for the load.

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

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- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
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Тел: +7 (812) 336 43 04 (многоканальный)
Email: org@lifeelectronics.ru