





| Product type designation Product type designation Auxiliary supply voltage Number of inputs Number of outputs Max I/O number | Nr. Nr. | Micro PLC - Base module with RS485 onboard LRD20RD024P1 24VDC 8 digital + 4 digital/analog 8 relay 20 (12 inputs + 8 outputs) up to 44 with LRE modules |
|--|-----------------------------|---|
| Power supply | | |
| Rated auxil. supply voltage | | 24VDC |
| Operating voltage range | | 20.428.8VDC |
| Avarage current consumption | mA | 185 |
| Power consumption Max | W | 5 |
| Digital inputs | | |
| Number of digital input | Nr. | 8 + 4 digital/analog |
| Rated voltage | V | 24VDC |
| Input signals | | |
| State 0 (OFF) | | <5VDC |
| State 1 (ON) | | >15VDC |
| Response time | | |
| 0 to 1 (OFF-ON) | | 4ms (0.5ms for high speed) |
| 1 to 0 (ON-OFF) | | 4ms (0.3ms for high speed) |
| Analog inputs | | |
| | | |
| Number of analog input | Nr. | 4 digital/analog |
| Number of analog input Analog input type | Nr. | 4 digital/analog Voltage inputs |
| | Nr. | <u> </u> |
| Analog input type | | Voltage inputs |
| Analog input type Inputs signal range | | Voltage inputs 010 |
| Analog input type Inputs signal range Resolution | V | Voltage inputs 010 0.01V |
| Analog input type Inputs signal range Resolution Bit of conversion | V | Voltage inputs 010 0.01V |
| Analog input type Inputs signal range Resolution Bit of conversion Current consumption at | V | Voltage inputs 010 0.01V 8 |
| Analog input type Inputs signal range Resolution Bit of conversion Current consumption at | V bit mA | Voltage inputs 010 0.01V 8 <0.17mA >40 28 |
| Analog input type Inputs signal range Resolution Bit of conversion Current consumption at 10VDC Input impedance | V bit mA kΩ | Voltage inputs 010 0.01V 8 <0.17mA >40 28 520ms(LADDER) 210ms (FBD) |
| Analog input type Inputs signal range Resolution Bit of conversion Current consumption at Input impedance Admissible overload Sampling time Maximum cable lenght | V bit mA kΩ VDC | Voltage inputs 010 0.01V 8 <0.17mA >40 28 520ms(LADDER) |
| Analog input type Inputs signal range Resolution Bit of conversion Current consumption at 10VDC Input impedance Admissible overload Sampling time Maximum cable lenght Digital outputs | V bit mA kΩ VDC ms m / ft | Voltage inputs 010 0.01V 8 <0.17mA >40 28 520ms(LADDER) 210ms (FBD) ≤30m/98ft (shielded wire) |
| Analog input type Inputs signal range Resolution Bit of conversion Current consumption at 10VDC Input impedance Admissible overload Sampling time Maximum cable lenght Digital outputs Number of digital output | V bit mA kΩ VDC ms | Voltage inputs 010 0.01V 8 <0.17mA >40 28 520ms(LADDER) 210ms (FBD) ≤30m/98ft (shielded wire) |
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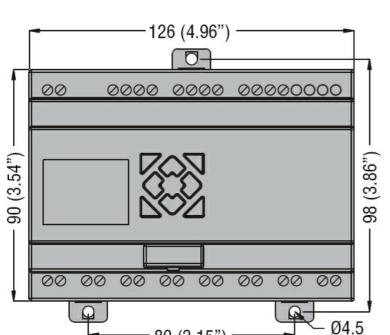


MICRO PLC, MODULES DE BASE AVEC RS485 INTÉGRÉE, 24VDC 12/8 À RELAIS

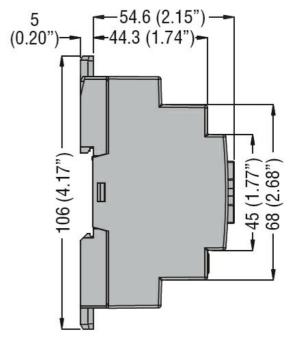
| Display | | | | LCD display, 4 lines x 16 characters |
|---|-----------------------|------------|---------------------|---|
| Communications | | | | |
| Type of communication | n port | | | RS485 |
| Connections | | | | |
| Terminals type | | | | Screw |
| Tightening torque for te | erminals | | | |
| | | max | Nm | 0.6 |
| | | Max | lbft | 0.4 |
| Conductor section | | | | |
| | AWG/Kcmil | | | |
| | | min | | 26 |
| | | max | | 14 |
| | IEC | | | |
| | | min | mm² | 0.14 |
| | | max | mm² | 2.5 |
| Ambient conditions | | | | |
| Temperature | | | | |
| | Operating temperature | | | |
| | | | °C | -20 |
| | | min | | |
| | | min max | °C | +55 |
| | Storage temperature | max | °C | +55 |
| | Storage temperature | | °C | +55 -40 |
| | Storage temperature | max | °C | +55 -40 +70 |
| Relative humidity | Storage temperature | max min | °C °C | +55 -40 +70 2090% without |
| Relative humidity | Storage temperature | max min | °C | +55 -40 +70 |
| Relative humidity Housing | Storage temperature | max min | °C °C | +55 -40 +70 2090% without condensation |
| Housing | Storage temperature | max min | °C °C | +55 -40 +70 2090% without condensation 35mm DIN rail or |
| | Storage temperature | max min | °C °C | +55 -40 +70 2090% without condensation 35mm DIN rail or screw fixing |
| Housing Mounting | Storage temperature | max min | °C °C | +55 -40 +70 2090% without condensation 35mm DIN rail or screw fixing (M4x20mm) |
| Housing Mounting Degree of protection | | max min | °C °C °C % | +55 -40 +70 2090% without condensation 35mm DIN rail or screw fixing (M4x20mm) IP20 |
| Mounting Degree of protection Dimensions (W x H x D | | max min | °C °C °C | +55 -40 +70 2090% without condensation 35mm DIN rail or screw fixing (M4x20mm) IP20 126 x 106 x 59.6 |
| Housing Mounting Degree of protection | | max min | °C °C °C % | +55 -40 +70 2090% without condensation 35mm DIN rail or screw fixing (M4x20mm) IP20 |

(0.18")

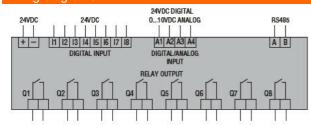




80 (3.15")



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 142

IEC/EN 61131-2

UL508

Certificates

cULus

EAC

ETIM classification

ETIM 8.0

EC001417 -Logic module