

# Product data sheet

Specifications



## dPAC controller, Modicon M262, 5ns per instruction

TM262L01MDESE8T

**Product availability: Non-Stock - Not normally stocked in distribution facility**

### Main

|                           |                               |
|---------------------------|-------------------------------|
| Range of Product          | EcoStruxure Automation Expert |
| Product or Component Type | DPAC module                   |
| [Us] rated supply voltage | 24 V DC - 15...20 %           |

### Complementary

|                                        |                                                                                                                               |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Supply voltage limits                  | 20.4...28.8 V DC                                                                                                              |
| PLC Power Consumption                  | 82 W                                                                                                                          |
| Inrush current                         | 40 A                                                                                                                          |
| Overvoltage protection                 | With                                                                                                                          |
| Maximum number of I/O expansion module | 7TM3 IO module (local I/O-Architecture)<br>7TM3 IO module (remote I/O-Architecture)                                           |
| Execution time for 1 KInstruction      | 0.005 ms                                                                                                                      |
| Data backed up                         | 1 GB built-in flash memory backup of user programs                                                                            |
| Backup time                            | 1000 h 77 °F (25 °C)                                                                                                          |
| Realtime clock                         | With                                                                                                                          |
| Clock drift                            | <= 10 s/month 77 °F (25 °C)                                                                                                   |
| Integrated connection type             | Ethernet 1 RJ45 10/100BASE-T<br>Ethernet 2 2 RJ45 100/1000BASE-T<br>Serial link RJ45 RS232/RS485<br>TM3 IO bus                |
| Transmission rate                      | 57.6 kbit/s 49.2 ft (15 m) RS485<br>57.6 kbit/s 9.8 ft (3 m) RS232<br>10/100 Mbit/s Ethernet1<br>10/100/1000 Mbit/s Ethernet2 |
| Communication port protocol            | EtherNet/IP scanner<br>Modbus TCP client/server<br>Modbus TCP IO scanner<br>Modbus SL client/server                           |
| Maximum Number of Connected Devices    | EtherNet/IP: 64<br>Modbus TCP: 64<br>Modbus TCP/EtherNet/IP: 96                                                               |
| Communication Service                  | OPC UA server (Encrypt)<br>HTTPs Methods (API)<br>NTP client                                                                  |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Local signalling                       | 1 LED (green/red) for PWR<br>1 LED (green/red) for RUN<br>1 LED (green/red) for ERROR (fault)<br>1 LED (green/red) for stop forced<br>1 LED (green/red) for I/O error (I/O)<br>1 LED (green/orange) for SD card activity<br>1 LED (green/orange) for SL activity<br>1 LED (green/red) for ETH1 state<br>1 LED (green/red) for ETH2 state<br>1 LED (green/red) for EIP MS<br>1 LED (green/red) for EIP NS |
| Electrical connection                  | removable spring terminal block for inputs and outputs<br>removable spring terminal block for connecting the 24 V DC power supply                                                                                                                                                                                                                                                                        |
| Maximum cable distance between devices | Shielded cable <98.4 ft (30 m) RS485 link<br>Shielded cable <49.2 ft (15 m) RS232                                                                                                                                                                                                                                                                                                                        |
| Insulation                             | Between supply and internal logic 500 V AC<br>Non-insulated between supply and ground                                                                                                                                                                                                                                                                                                                    |
| Surge withstand                        | 1 kV power lines (DC) common mode IEC 61000-4-5<br>1 kV shielded cable common mode IEC 61000-4-5<br>0.5 kV relay output differential mode IEC 61000-4-5<br>1 kV input common mode IEC 61000-4-5<br>1 kV transistor output common mode IEC 61000-4-5                                                                                                                                                      |
| Mounting support                       | Top hat type TH35-15 rail IEC 60715<br>Top hat type TH35-7.5 rail IEC 60715<br>plate or panel with fixing kit                                                                                                                                                                                                                                                                                            |
| Height                                 | 3.9 in (100 mm)                                                                                                                                                                                                                                                                                                                                                                                          |
| Depth                                  | 3.5 in (90 mm)                                                                                                                                                                                                                                                                                                                                                                                           |
| Width                                  | 4.9 in (125 mm)                                                                                                                                                                                                                                                                                                                                                                                          |
| Net Weight                             | 1.444 lb(US) (0.655 kg)                                                                                                                                                                                                                                                                                                                                                                                  |

## Environment

|                                       |                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                             | UL 61010-1<br>UL 61010-2-201<br>CSA C22.2 No 61010-1<br>CSA C22.2 No 61010-2-201<br>CSA C22.2 No 213<br>ANSI/ISA 12-12-01<br>IEC 61131-2                                                                                                                                                                                           |
| Product Certifications                | CE<br>cULus<br>cULus HazLoc Class I Division 2 CSA 22-2 No 213<br>RCM                                                                                                                                                                                                                                                              |
| Resistance to electrostatic discharge | 4 kV on contact IEC 61000-4-2<br>8 kV on air IEC 61000-4-2                                                                                                                                                                                                                                                                         |
| Resistance to electromagnetic fields  | 9.1 V/m (10 V/m) 80 MHz...1 GHz IEC 61000-4-3<br>2.7 V/m (3 V/m) 1.4 GHz...2 GHz IEC 61000-4-3<br>0.9 V/m (1 V/m) 2 GHz...3 GHz IEC 61000-4-3                                                                                                                                                                                      |
| Resistance to fast transients         | 2 kV IEC 61000-4-4 power lines)<br>1 kV IEC 61000-4-4 Ethernet line)<br>1 kV IEC 61000-4-4 serial link)<br>1 kV IEC 61000-4-4 input)<br>1 kV IEC 61000-4-4 transistor output)                                                                                                                                                      |
| Resistance to conducted disturbances  | 10 V 0.15...80 MHz IEC 61000-4-4<br>3 V 0.1...80 MHz<br>10 V spot frequency (2, 3, 4, 6.2, 8.2, 12.6, 16.5, 18.8, 22, 25 MHz)                                                                                                                                                                                                      |
| Electromagnetic emission              | Conducted emissions 120...69 dBµV/m QP power lines)10...150 kHz IEC 55011<br>Conducted emissions 63 dBµV/m QP power lines)1.5...30 MHz IEC 55011<br>Radiated emissions 40 dBµV/m30...230 kHz IEC 55011<br>Conducted emissions 79...63 dBµV/m QP power lines)150...1500 kHz IEC 55011<br>Radiated emissions230...1000 MHz IEC 55011 |
| Immunity to microbreaks               | 0.01 ms                                                                                                                                                                                                                                                                                                                            |

|                                       |                                                                                                                                                    |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Ambient air temperature for operation | -4...140 °F (-20...60 °C) horizontal installation)<br>-4...122 °F (-20...50 °C) vertical installation)<br>-4...113 °F (-20...45 °C) flat mounting) |
| Ambient Air Temperature for Storage   | -40...185 °F (-40...85 °C)                                                                                                                         |
| Relative humidity                     | 5...95 %, without condensation in operation)<br>5...95 %, without condensation in storage)                                                         |
| IP degree of protection               | IP20                                                                                                                                               |
| Pollution degree                      | 2                                                                                                                                                  |
| Operating altitude                    | 0...6561.68 ft (0...2000 m)                                                                                                                        |
| Storage altitude                      | 0...9842.5 ft (0...3000 m)                                                                                                                         |
| Vibration resistance                  | 3.5 mm 2...8.4 Hz symmetrical rail<br>1 gn 8.4...200 Hz symmetrical rail<br>3.5 mm 2...8.4 Hz panel mounting<br>1 gn 8.4...200 Hz panel mounting   |
| Shock resistance                      | 15 gn 11 ms                                                                                                                                        |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US1PC1522555  |
| Discount Schedule | PC15          |
| GTIN              | 3606486108246 |
| Returnability     | No            |
| Country of origin | ID            |

## Packing Units

|                              |                          |
|------------------------------|--------------------------|
| Unit Type of Package 1       | PCE                      |
| Nbr. of units in pkg.        | 1                        |
| Package 1 Height             | 5.315 in (13.500 cm)     |
| Package 1 Width              | 5.512 in (14.000 cm)     |
| Package 1 Length             | 7.283 in (18.500 cm)     |
| Package weight(Lbs)          | 29.489 oz (836.000 g)    |
| Unit Type of Package 2       | S03                      |
| Number of Units in Package 2 | 8                        |
| Package 2 Height             | 11.811 in (30.000 cm)    |
| Package 2 Width              | 11.811 in (30.000 cm)    |
| Package 2 Length             | 15.748 in (40.000 cm)    |
| Package 2 Weight             | 16.367 lb(US) (7.424 kg) |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



### Environmental footprint

|                                                        |                                               |
|--------------------------------------------------------|-----------------------------------------------|
| Total lifecycle Carbon footprint                       | 1 208 kg CO2 eq.                              |
| Environmental Disclosure                               | <a href="#">Product Environmental Profile</a> |
| Carbon footprint of the manufacturing phase [A1 to A3] | 19 kg CO2 eq.                                 |
| Carbon footprint of the distribution phase [A4]        | 0.1 kg CO2 eq.                                |
| Carbon footprint of the installation phase [A5]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the use phase [B2, B3, B4, B6]     | 1 189 kg CO2 eq.                              |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 0.4 kg CO2 eq.                                |

### Use Better



### Materials and Substances

|                                        |                                                                                                                                                                                                                                                                                             |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                                                                                                                                                                                                                                                         |
| Packaging without single use plastic   | Yes                                                                                                                                                                                                                                                                                         |
| <a href="#">EU RoHS Directive</a>      | Pro-active compliance (Product out of EU RoHS legal scope)                                                                                                                                                                                                                                  |
| SCIP Number                            | Aee2b861-0272-4e88-8e3e-89ad0cfa3229                                                                                                                                                                                                                                                        |
| REACH Regulation                       | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                           |
| California proposition 65              | 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. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

### Use Longer



### Lifetime extension

|        |    |
|--------|----|
| Repair | No |
|--------|----|

### Use Again



### Repack and remanufacture

|                     |                                                                                                                                                                                                                  |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Circularity Profile | <a href="#">End of Life Information</a>                                                                                                                                                                          |
| Take-back           | No                                                                                                                                                                                                               |
| WEEE Label          |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

Dimensions Drawings

Side and Front Views

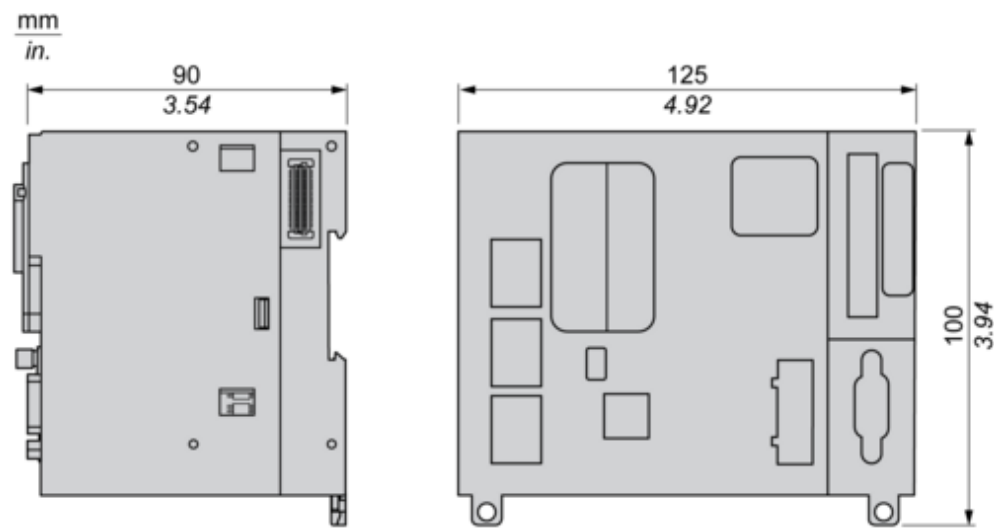


Image of product / Alternate images

Alternative

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