



### Main

|                           |                   |
|---------------------------|-------------------|
| Range of product          | PacDrive 3        |
| Product or component type | Motion controller |

### Complementary

|                                        |                                                                                                                                                                              |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product compatibility                  | LMC402                                                                                                                                                                       |
| Number of axis                         | 16                                                                                                                                                                           |
| Discrete input number                  | 20 for digital input conforming to IEC 61131-2 Type 1<br>4 for interrupt input conforming to IEC 61131-2 Type 1<br>16 for touch probe input conforming to IEC 61131-2 Type 1 |
| Discrete input voltage                 | 20...33 V<br>0...6 V                                                                                                                                                         |
| Discrete input voltage type            | DC                                                                                                                                                                           |
| Analogue input number                  | 2                                                                                                                                                                            |
| Analogue input type                    | Voltage analog input: - 10...10 V<br>Current analog input: - 20...20 mA                                                                                                      |
| Analogue input resolution              | 12 bits                                                                                                                                                                      |
| Discrete input current                 | 5 mA for digital input<br>5 mA for interrupt input<br>5 mA for touch probe input                                                                                             |
| Input impedance                        | 100000 Ohm for analog input<br>500 Ohm                                                                                                                                       |
| Anti bounce filtering                  | 1 ms or 5 ms configurable digital input<br>100 µs touch probe input<br>0.1 ms or 1 ms configurable interrupt input                                                           |
| Discrete output number                 | 16 digital output<br>2 analog output                                                                                                                                         |
| Discrete output current                | 250 mA for digital output                                                                                                                                                    |
| Maximum leakage current                | 0.4 mA                                                                                                                                                                       |
| Maximum number of I/O expansion module | 2                                                                                                                                                                            |
| [Us] rated supply voltage              | 24 V DC                                                                                                                                                                      |
| Power consumption in W                 | 36 W                                                                                                                                                                         |
| Memory type                            | 256 kB NVRAM<br>1 GB RAM DDR3L                                                                                                                                               |
| Programming language                   | SFC (sequential function chart)<br>LD (ladder)<br>FBD (function block diagram)<br>CFC (continuous function chart)<br>IL (instruction list)<br>ST (structured text)           |

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|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Integrated connection type | 2 Ethernet port, connector RJ45 for protocol Sercos<br>1 CAN port, connector SUB-D 9 for protocol CANOpen<br>1 USB port, connector USB type A<br>2 Ethernet port, connector RJ45 for protocol RT-Ethernet (real-time)<br>1 Ethernet port, connector RJ45 for protocol PacNet<br>1 port, connector SUB-D 9 for protocol Profibus DP<br>1 COM1 serial link, connector SUB-D 9 for protocol RS232<br>1 COM2 serial link, connector SUB-D 9 for protocol RS422/RS485<br>1 port, connector SUB-D 9 for master encoder<br>1 Ethernet port, connector RJ45 for protocol Ethernet 10/100/1000BASE-T, FTP/HTTP |
| Supply                     | Power supply: 24 VDC, <1 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Width                      | 100 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Height                     | 310 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Depth                      | 243 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Net weight                 | 3.5 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## Environment

|                                       |                                                                  |
|---------------------------------------|------------------------------------------------------------------|
| Standards                             | EN/IEC 61131-2<br>CSA C22.2 No 274<br>UL 508C<br>CSA C22.2 No 14 |
| Product certifications                | CSA[RETURN]cULus[RETURN]EAC[RETURN]CE                            |
| Ambient air temperature for operation | 5...55 °C                                                        |
| Relative humidity                     | 5...95 % without condensation                                    |
| IP degree of protection               | IP20 conforming to EN/IEC 60529                                  |
| Pollution degree                      | 2 conforming to IEC 61131-2                                      |
| Vibration resistance                  | 3.5 mm at 5...8.4 Hz<br>10 m/s² at 8.4...150 Hz                  |
| Shock resistance                      | 150 m/s² for 6 ms (operation) conforming to EN/IEC 60721-3-3     |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Height             | 17.2 cm |
| Package 1 Width              | 32.5 cm |
| Package 1 Length             | 42.5 cm |
| Package 1 Weight             | 4.87 kg |

## Offer Sustainability

|                            |                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                             |
| REACH Regulation           |  <a href="#">REACH Declaration</a>             |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)                                                                        |
| Mercury free               | Yes                                                                                                                               |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>        |
| RoHS exemption information |  <a href="#">Yes</a>                           |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a> |
| Circularity Profile        |  <a href="#">End Of Life Information</a>       |
| PVC free                   | Yes                                                                                                                               |