



### Main

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

### Complementary

|                                |                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product compatibility          | LMC101                                                                                                                                                                                                                                                                                                                                        |
| Number of axis                 | <= 4                                                                                                                                                                                                                                                                                                                                          |
| Discrete input number          | 8 digital input conforming to IEC 61131-2 Type 1<br>4 touch probe input conforming to IEC 61131-2 Type 1                                                                                                                                                                                                                                      |
| Discrete input voltage         | - 3...5 V<br>15...30 V                                                                                                                                                                                                                                                                                                                        |
| Discrete input voltage type    | DC                                                                                                                                                                                                                                                                                                                                            |
| Discrete input current         | 4 mA digital input                                                                                                                                                                                                                                                                                                                            |
| Anti bounce filtering          | Configurable from 100 µs...4.29 s for digital input<br>Configurable from 100 µs...4.29 s for touch probe input<br>Configurable from 100 µs...4.29 s for interrupt input                                                                                                                                                                       |
| Cable length                   | <= 50 m                                                                                                                                                                                                                                                                                                                                       |
| Discrete output number         | 8 digital output                                                                                                                                                                                                                                                                                                                              |
| Discrete output current        | 500 mA for digital output                                                                                                                                                                                                                                                                                                                     |
| Leakage current                | <= 0.5 mA                                                                                                                                                                                                                                                                                                                                     |
| Number of I/O expansion module | 1                                                                                                                                                                                                                                                                                                                                             |
| [Us] rated supply voltage      | 24 V DC                                                                                                                                                                                                                                                                                                                                       |
| Power consumption              | 30 W                                                                                                                                                                                                                                                                                                                                          |
| Memory type                    | RAM DDR2 512 MB<br>NVRAM 128 kB                                                                                                                                                                                                                                                                                                               |
| Programming language           | CFC (continuous function chart)<br>FBD (function block diagram)<br>IL (instruction list)<br>LD (ladder)<br>SFC (sequential function chart)<br>ST (structured text)                                                                                                                                                                            |
| Integrated connection type     | 2 Ethernet port, connector RJ45 for protocol Sercos<br>1 Ethernet port, connector RJ45 for protocol Ethernet 10/100BASE-T, FTP/HTTP<br>1 Ethernet port, connector RJ45 for master encoder<br>1 serial link, connector RJ45 for protocol RS232/RS485<br>1 CAN port, connector SUB-D 9 for protocol CANopen<br>1 USB port, connector USB type A |
| Supply                         | Power supply 24 V DC                                                                                                                                                                                                                                                                                                                          |
| Width                          | 44 mm                                                                                                                                                                                                                                                                                                                                         |
| Height                         | 270 mm                                                                                                                                                                                                                                                                                                                                        |
| Depth                          | 222 mm                                                                                                                                                                                                                                                                                                                                        |
| Product weight                 | 2.2 kg                                                                                                                                                                                                                                                                                                                                        |

## Environment

|                                       |                                                                                 |
|---------------------------------------|---------------------------------------------------------------------------------|
| Standards                             | CSA C22.2 No 142<br>EN/IEC 61131-2<br>UL 508<br>CSA C22.2 No 14                 |
| Product certifications                | CE<br>CSA<br>CULus<br>EAC                                                       |
| 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                                                     |
| Operating altitude                    | 0...2000 m                                                                      |
| Vibration resistance                  | 3.5 mm (f = 5...8.4 Hz)<br>10 m/s <sup>2</sup> (f = 8.4...150 Hz)               |
| Shock resistance                      | 150 m/s <sup>2</sup> (duration = 6 ms) conforming to EN/IEC 60721-3-3 operation |

## Offer Sustainability

|                                  |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                 |
| RoHS (date code: YYWW)           | Compliant - since 1429 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold                                     |
| Product environmental profile    | Available <a href="#">Download Product Environmental</a>                              |
| Product end of life instructions | Available <a href="#">Download End Of Life Manual</a>                                 |