Product data sheet

Specifications

Motion controller LMC902, 130 axis - Acc kit - Profibus DP + OM RT-Ethernet

LMC902CBL10000

Main

Range of product	PacDrive 3
Product or component type	Motion controller

Complementary

Product compatibility	Motion controller
Number of axis	130
Discrete input number	20 for digital input conforming to IEC 61131-2 Type 1 4 for interrupt input conforming to IEC 61131-2 Type 1 16 for touch probe input conforming to IEC 61131-2 Type 1
Discrete input voltage	20...33 V 0...6 V
Discrete input voltage type	DC
Analogue input number	2
Analogue input type	Voltage analog input: - 10...10 V Current analog input: - 20...20 mA
Analogue input resolution	12 bits
Discrete input current	5 mA for digital input 5 mA for interrupt input 5 mA for touch probe input
Input impedance	100000 Ohm for analog input 500 Ohm
Anti bounce filtering	1 ms or 5 ms configurable digital input 100 µs touch probe input 0.1 ms or 1 ms configurable interrupt input
Discrete output number	16 digital output 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 1 GB RAM DDR3L
Programming language	FBD (function block diagram) CFC (continuous function chart) SFC (sequential function chart) ST (structured text) LD (ladder) IL (instruction list)

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

Integrated connection type	2 Ethernet port, connector RJ45 for protocol Sercos 1 CAN port, connector SUB-D 9 for protocol CANopen 1 USB port, connector USB type A 2 Ethernet port, connector RJ45 for protocol RT-Ethernet (real-time) 1 Ethernet port, connector RJ45 for protocol PacNet 1 port, connector SUB-D 9 for protocol Profibus DP 1 COM1 serial link, connector SUB-D 9 for protocol RS232 1 COM2 serial link, connector SUB-D 9 for protocol RS422/RS485 1 port, connector SUB-D 9 for master encoder 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
Product weight	3.5 kg

Environment

Standards	CSA C22.2 No 14 UL 508C CSA C22.2 No 274 EN/IEC 61131-2
Product certifications	CSA EAC CE cULus
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 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

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	2188
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration
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 www.P65Warnings.ca.gov

Use Again

Repack and remanufacture

End of life manual availability	End of Life Information
Take-back	No