Product data sheet
Characteristics

LMC802CAA10000
Motion controller LMC802 130 axis, Acc kit, Basic



Main

Range of product	PacDrive 3
Product or component type	Motion controller

Complementary

Product compatibility	LMC802
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	0...6 V 20...33 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 4 GB RAM DDR3L
Programming language	SFC (sequential function chart) FBD (function block diagram) IL (instruction list) CFC (continuous function chart) ST (structured text) LD (ladder)

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
Net weight	3.5 Kg

Environment

Standards	CSA C22.2 No 274 UL 508C CSA C22.2 No 14 IEC 61131-2
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 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 IEC 60721-3-3

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	19.000 Cm
Package 1 Width	34.000 Cm
Package 1 Length	46.000 Cm
Package 1 Weight	4.258 Kg
Unit Type of Package 2	S06
Number of Units in Package 2	6
Package 2 Height	75.000 Cm
Package 2 Width	60.000 Cm
Package 2 Length	80.000 Cm
Package 2 Weight	38.548 Kg

Offer Sustainability

Recyclability potential, in %	0.7
Total lifecycle Carbon footprint	483 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	23.80124872054139
Carbon footprint of the manufacturing phase [A1 to A3]	24 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	1.226895666750495
Carbon footprint of the distribution phase [A4]	1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	2.3778920212249632
Carbon footprint of the installation phase [A5]	2 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	451.5004460493924
Carbon footprint of the use phase [B2, B3, B4, B6]	452 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	4.149953560619534
Carbon footprint of the end-of-life phase [C1 to C4]	4 kg CO2 eq.

Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	483
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, w
PVC free	Yes
End of life manual availability	End Of Life Information
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised