

Product datasheet

Specifications



motion servo drive, Easy Lexium 16, single phase 200...240V 1.0kW, no EMC filter, Modbus

LXM16MU10M2X

Main

Range Of Product	Easy Lexium 16
Product Or Component Type	Motion servo drive
Device Short Name	LXM16D
Format Of The Drive	Compact housing
Line Current	10.2 A 159.1 % at 220 V, single phase

Complementary

Network Number Of Phases	Single phase
[Us] Rated Supply Voltage	220 V (- 15...10 %) for single phase
Supply Voltage Limits	200...240 V single phase
Supply Frequency	50/60 Hz - 5...5 %
Network Frequency	47.5...63 Hz
Continuous Output Current	7.3 A
Output Current 3S Peak	30 A at 220 V
Continuous Power	1000 W at 220 V
Nominal Power	1 kW at 220 V 8 kHz
Switching Frequency	8 kHz
Overvoltage Category	III
Maximum Leakage Current	3.5 mA
Output Voltage	<= power supply voltage
Electrical Isolation	Between power and control
Type Of Cable	1 shielded twisted pair (temperature: 0...40 °C)
Electrical Connection	Spring terminal, clamping capacity: 0.2...2.5 mm², AWG 24...AWG 12 (L, N, P+, PB, U, V, W)
Tightening Torque	PE (ground): 1.4 N.m
Discrete Input Number	6 programmable (CN1) 2 pulse train input (PTI) (CN1)
Discrete Input Voltage	24 V DC for logic
Discrete Input Logic	Positive or negative (CN1)
Discrete Output Number	3 3
Discrete Output Type	Logic (CN1) at 12...24 V DC Pulse train output (PTO) (CN1)

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

Discrete Output Voltage	12...24 V DC
Discrete Output Logic	Sink (CN1)
Control Signal Type	Servo motor encoder feedback CN2
Protection Type	Against reverse polarity: inputs signal Against short-circuits: outputs signal Against reverse polarity: outputs signal Overcurrent: motor and driver Overvoltage: driver Undervoltage: driver Overheating: driver Overload: motor and driver Overspeed: motor
Connector Type	1 RJ45 (CN4) for Modbus RTU
Physical Interface	Mini-B USB for Modbus Serial line slave
Status Led	1 LED (red) charge
Signalling Function	Servo status and fault codes five 7-segment display units
Marking	CE
Type Of Cooling	Fan
Operating Position	Vertical
Product Compatibility	Servo motor BCH16 (100 mm, 1 motor stacks) Servo motor BCH16 (130 mm, 1 motor stacks)
Width	65 mm
Height	150 mm
Depth	185.2 mm
Net Weight	1.5 kg

Environment

Emc Filter	Without EMC filter
Electromagnetic Compatibility	Conducted emission - test level: level 3 category C3 conforming to EN/IEC 61800-3
Standards	EN/IEC 61800-5-1
Product Certifications	CE
Ip Degree Of Protection	IP20
Vibration Resistance	3M4 amplitude = 3 mm (f = 9...200 Hz) conforming to IEC 60721-3-3
Shock Resistance	10 gn, type I conforming to IEC 60721-3-3
Relative Humidity	5...95 % without condensation
Ambient Air Temperature For Operation	0...40 °C (without derating) 40...55 °C (with derating factor)
Ambient Air Temperature For Storage	-40...70 °C
Operating Altitude	<= 1000 m without derating > 1000...2000 m with current derating

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	11 cm
Package 1 Width	20.5 cm

Package 1 Length	24 cm
Package 1 Weight	1.6 kg
Unit Type Of Package 2	S04
Number Of Units In Package 2	7
Package 2 Height	30 cm
Package 2 Width	40 cm
Package 2 Length	60 cm
Package 2 Weight	11.96 kg

Sustainability

Green Premium™ label is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)



Transparency RoHS/REACH

Well-being performance



Rohs Exemption Information

Yes

Certifications & Standards

Reach Regulation	REACH Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information