

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

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Network number of phases	Single phase	
[Us] rated supply voltage	220 V (- 1510 %) for single phase	
Supply voltage limits	200240 V single phase	
Supply frequency	50/60 Hz - 55 %	
Network frequency	47.563 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: 040 °C)	
Electrical connection	Spring terminal, clamping capacity: 0.22.5 mm², AWG 24AWG 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 1224 V DC Pulse train output (PTO) (CN1)	

Discrete output voltage	1224 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	
Product 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 = 9200 Hz) conforming to IEC 60721-3-3	
Shock resistance	10 gn, type I conforming to IEC 60721-3-3	
Relative humidity	595 % without condensation	
Ambient air temperature for operation	040 °C (without derating) 4055 °C (with derating factor)	
Ambient air temperature for storage	-4070 °C	
Operating altitude	<= 1000 m without derating > 10002000 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



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 >

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	4134
Environmental Disclosure	Product Environmental Profile

Use Better

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
REACh Regulation	REACh Declaration

Use Again

○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No