Product datasheet

Specifications

motion servo drive, Easy Lexium 16, single phase 200...240V 0.75kW, no EMC filter

LXM16DU07M2X

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	7.9 A 166.7 % 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	5.1 A
Output current 3s peak	20 A at 220 V
Continuous power	750 W at 220 V
Nominal power	0.75 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)

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
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 (80 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 IEC 61800-3
Standards	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	20.5 cm
Package 1 Width	24 cm
Package 1 Length	11 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

Contractual warranty

Warranty (in months)	18

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	**2 790 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**
Carbon footprint of the manufacturing phase [A1 to A3]	**51 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.2 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.3 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**2 738 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**1 kg CO2 eq.**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
EU RoHS Directive	**Pro-active compliance (Product out of EU RoHS legal scope)**
REACh Regulation	**REACh Declaration**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

End of life manual availability	**End of Life Information**
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**

Dimensions Drawings

Drive Dimension

Front, Left and Rear Views