

Product datasheet

Specifications



motion servo drive, Easy Lexium 16,
single phase 200...240V 0.1kW, no
EMC filter

LXM16DU01M2X

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	1.3 A 219.1 % 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	1.6 A
Output current 3s peak	7.5 A at 220 V
Continuous power	100 W at 220 V
Nominal power	0.1 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 mm ² , 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	Natural convection
Operating position	Vertical
Product compatibility	Servo motor BCH16 (40 mm, 1 motor stacks)
Width	52 mm
Height	150 mm
Depth	155.2 mm
Net weight	1 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

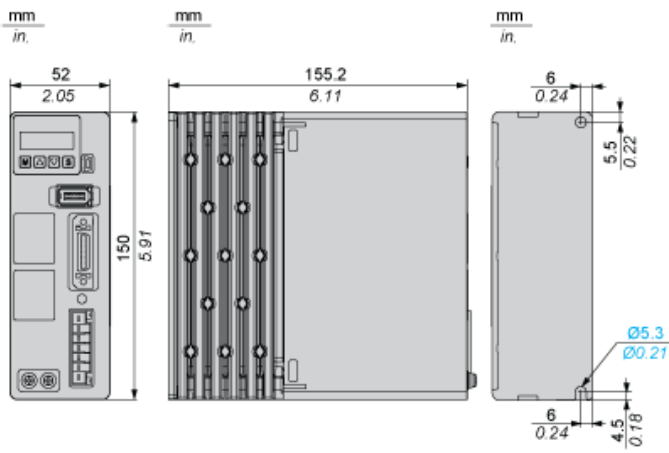
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	20.5 cm
Package 1 Width	21.0 cm
Package 1 Length	9.7 cm
Package 1 Weight	1100.0 g

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Drive Dimension

Front, Left and Rear Views



Recommended replacement(s)