



## 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
Oversvoltage 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 <sup>2</sup> , 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
Product 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	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>

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WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

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Drive Dimension

Front, Left and Rear Views

