

LXM16DU04M2X

motion servo drive, Easy Lexium 16, single
phase 200...240V 0.4kW, no EMC filter



Main

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|---------------------------|--------------------------------------|
| 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 | 4.5 A 185.3 % at 220 V, single phase |

Complementary

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|---------------------------|---|
| 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 | 2.6 A |
| Output current 3s peak | 10 A at 220 V |
| Continuous power | 400 W at 220 V |
| Nominal power | 0.4 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 |

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| 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 (60 mm, 1 motor stacks) |
| Width | 52 mm |
| Height | 150 mm |
| Depth | 155.2 mm |
| Net weight | 1 kg |

Environment

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|---------------------------------------|--|
| 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

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|------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 20.5 cm |
| Package 1 Width | 21 cm |
| Package 1 Length | 9.7 cm |
| Package 1 Weight | 1100 g |
| 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 | 8.46 kg |

Offer Sustainability

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|----------------------------|--|
| Sustainable offer status | Green Premium product |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| Mercury free | Yes |
| China RoHS Regulation |  China RoHS Declaration |
| RoHS exemption information |  Yes |

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|--------------------------|---|
| 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

