



Main

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| Range of product | Lexium integrated drive |
| Product or component type | Motion integrated drive |
| Device short name | ILA |
| Motor type | Ac synchronous servo motor |
| Number of motor poles | 6 |
| Network number of phases | Single phase |
| [Us] rated supply voltage | 36 V 24 V |
| Network type | DC |
| Communication interface | Profibus DP, integrated |
| Length | 145.3 mm |
| Winding type | Medium speed of rotation and medium torque |
| Electrical connection | Industrial connector |
| Holding brake | Without |
| Gear box type | Without |
| Nominal speed | 3200 rpm at 24 V 5500 rpm at 36 V |
| Nominal torque | 0.26 N.m |

Complementary

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| Transmission rate | 9.6, 19.2, 45.45, 93.75, 187.5, 500, 1500, 3000, 6000 and 12000 kbauds |
| Mounting support | Flange |
| Motor flange size | 57 mm |
| Number of motor stacks | 1 |
| Centring collar diameter | 50 mm |
| Centring collar depth | 1.6 mm |
| Number of mounting holes | 4 |

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| Mounting holes diameter | 5.2 mm |
| Circle diameter of the mounting holes | 66.6 mm |
| Feedback type | Single turn encoder |
| Shaft end | Untapped |
| Second shaft | Without second shaft end |
| Shaft diameter | 9 mm |
| Shaft length | 20 mm |
| Supply voltage limits | 18...40 V |
| Current consumption | 5000 mA maximum continuous 7000 mA peak |
| Associated fuse rating | 10 A |
| Input/Output type | 4 signals (each be used as input or output) |
| Voltage state 0 guaranteed | -3...4.5 V |
| Voltage state 1 guaranteed | 15...30 V |
| Discrete input current | 10 mA at 24 V on/STO_A for safety input 3 mA at 24 V on/STO_B for safety input 2 mA at 24 V for 24 V signal interface |
| Discrete output voltage | 23...25 V |
| Maximum switching current | 100 mA per output 200 mA total |
| Protection type | Overload of output voltage Safe torque off Short circuit of the output voltage |
| Peak stall torque | 0.6 N.m |
| Continuous stall torque | 0.26 N.m |
| Speed feedback resolution | 16384 points/turn |
| Accuracy error | +/- 0.05 ° |
| Rotor inertia | 0.1 kg.cm ² |
| Maximum radial force Fr | 89 N |
| Maximum axial force Fa | 104 N (force pressure) 104 N (tensile force) |
| Service life in hours | 20000 h bearing |
| Marking | CE |
| Type of cooling | Natural convection |
| Net weight | 1.4 kg |

Environment

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| Standards | IEC 61800-3, Ed 2 EN/IEC 50178 EN 61800-3:2001, second environment IEC 60072-1 EN 61800-3 : 2001-02 EN 50347 EN/IEC 61800-3 |
| Product certifications | CUL TÜV UL |
| Ambient air temperature for operation | 50...65 °C (with power derating of 2 % per °C) 0...50 °C (without derating) |
| Permissible ambient air temperature around the device | 105 °C power amplifier 110 °C motor |
| Ambient air temperature for storage | -25...70 °C |
| Operating altitude | <= 1000 m without derating |
| Relative humidity | 15...85 % without condensation |
| Vibration resistance | 20 m/s ² (f= 10...500 Hz) 10 cycles conforming to EN/IEC 60068-2-6 |
| Shock resistance | 150 m/s ² 1000 shocks conforming to EN/IEC 60068-2-29 |
| IP degree of protection | IP41 shaft bushing: conforming to EN/IEC 60034-5 IP54 total except shaft bushing: conforming to EN/IEC 60034-5 |

Packing Units

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| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 1.8 kg |
| Package 1 Height | 8 cm |
| Package 1 width | 19 cm |
| Package 1 Length | 39 cm |

Offer Sustainability

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

Contractual warranty

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| Warranty | 18 months |
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