



Main

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| Range of product | Lexium integrated drive |
| Product or component type | Motion integrated drive |
| Device short name | ILE |
| Motor type | Brushless dc motor |
| Number of motor poles | 6 |
| Network number of phases | Single phase |
| [Us] rated supply voltage | 24 V 36 V |
| Network type | DC |
| Communication interface | Integrated RS485 |
| Length | 229 mm |
| Winding type | Medium speed of rotation and medium torque |
| Electrical connection | Printed circuit board connector |
| Holding brake | Without |
| Gear box type | Worm gear, 3 stages |
| Reduction ratio | 92:1 (735:5) |
| Nominal speed | 44 rpm at 36 V 44 rpm at 24 V |
| Nominal torque | 9 N.m at 24 V 9.2 N.m at 36 V |

Complementary

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| Transmission rate | 9.6, 19.2 and 38.4 kbauds |
| Mounting support | Flange |
| Motor flange size | 66 mm |
| Number of motor stacks | 1 |
| Centring collar diameter | 36 mm |
| Number of mounting holes | 2 |

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| Mounting holes diameter | 4.4 mm |
| Feedback type | BLDC encoder |
| Shaft end | Hole |
| Second shaft | Without second shaft end |
| Supply voltage limits | 18...40 V |
| Current consumption | 7000 mA (peak) 5500 mA (maximum continuous) |
| 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 |
| Supply current | Supply: 0.1 A, power stage disabled Supply: 3.8 A, 36 V Supply: 6.8 A, 24 V |
| Nominal output power | 41 W at 24 V 42 W at 36 V |
| Peak stall torque | 11.96 N.m at 24 V 16.56 N.m at 36 V |
| Continuous stall torque | 11.7 N.m |
| Detent torque | 12.3 N.m |
| Speed feedback resolution | 12 points/turn (motor) 0.33° (gearbox output) |
| Accuracy error | +/- 1 point |
| Torsional backlash | <= 1 ° |
| Rotor inertia | 1270 kg.cm ² |
| Maximum mechanical speed | 54 rpm |
| Maximum radial force Fr | 200 N |
| Maximum axial force Fa | 80 N |
| Service life in hours | 9000 h of bearing : |
| Marking | CE |
| Type of cooling | Natural convection |
| Product weight | 2.3 kg |

Environment

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| Standards | EN 50347 EN 61800-3:2001, second environment EN 61800-3 : 2001-02 EN/IEC 50178 EN/IEC 61800-3 IEC 60072-1 IEC 61800-3, Ed 2 |
| 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 |

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| Relative humidity | 15...85 % without condensation |
| Vibration resistance | 20 m/s ² (f = 10...500 Hz) for 10 cycles conforming to EN/IEC 60068-2-6 |
| Shock resistance | 150 m/s ² for 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 |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold |
| Product environmental profile | Available Product Environmental Profile |
| Product end of life instructions | Available End of Life Information |

Contractual warranty

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| Warranty period | 18 months |
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