

ILT2A422MB1A

Motion integrated drive, Lexium integrated drive, ILT with stepper motor, 24VDC to 48VDC, CANopen, 0.33Nm, length 61.7mm



Main

| | |
|---------------------------|--|
| Range of Product | Lexium integrated drive |
| Product or Component Type | Motion integrated drive |
| Device short name | ILT |
| Motor Type | 2-phase stepper motor |
| Network type | DC |
| Electrical Connection | Flying leads |
| [Us] rated supply voltage | 24...48 V |
| Communication interface | CANopen DS402 |
| Length | 2.43 in (61.7 mm) |
| Winding type | Medium speed of rotation and medium torque |
| Holding brake | Without |
| Gear box type | Without |
| Nominal speed | 400 rpm 24 V 600 rpm 48 V |
| Holding torque | 2.92 lbf.in (0.33 N.m) |

Complementary

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|----------------------------|---|
| Transmission Rate | 10, 20, 50, 100, 125, 250, 800, 1000 kbauds |
| Mounting Support | Flange |
| Motor flange size | 1.65 in (42 mm) |
| Feedback type | Index pulse |
| Supply voltage limits | 12...48 V |
| Current consumption | 1.3 A maximum continuous |
| Input/output type | 4 signals (each be used as input or output) |
| Voltage state 0 guaranteed | <= 0.8 V |
| Voltage state 1 guaranteed | >= 2.2 V |
| Discrete input current | 1.75 mA at 24 V 24 V signal interface |
| Discrete output voltage | 5...24 V |
| Maximum switching current | 275 MA four channels 600 mA single channel |
| Protection Type | Overload of output voltage Short circuit of the output voltage |
| Peak stall torque | 2.92 lbf.in (0.33 N.m) |
| Continuous stall torque | 2.92 lbf.in (0.33 N.m) |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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|---------------------------|---|
| Speed feedback resolution | 1000 steps 10000 steps 12800 steps 1600 steps 200 steps 2000 steps 20000 steps 25000 steps 25600 steps 3200 steps 400 steps 40000 steps 5000 steps 50000 steps 51200 steps 6400 steps 800 steps |
| Accuracy error | +/- 0.3 arc/min |
| Rotor inertia | 0.057 kg.cm ² |
| Service life in hours | 20000 h |
| Marking | CE |
| Net Weight | 0.75 lb(US) (0.34 kg) |

Environment

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|---|---|
| Standards | IEC 61000-4-6 EN 61000-3-3:1995, A1:2001, A2:2005 IEC 61000-4-5 IEC 61000-4-4 EN 61000-3-2 : 2006 IEC 61000-4-3 EN 55011:2007, A2:2007 for Group 1, Class A EMC immunity IEC 61000-4-2 IEC 61000-4-11 |
| Ambient air temperature for operation | 122...149 °F (50...65 °C) with power derating of 2 % per °C) 32...122 °F (0...50 °C) without derating) |
| Permissible ambient air temperature around the device | 212 °F (100 °C) |
| Ambient Air Temperature for Storage | -13...158 °F (-25...70 °C) |
| Operating altitude | <= 3280.84 ft (1000 m) without derating |
| Relative humidity | 15...85 % without condensation |
| IP degree of protection | Total except shaft bushing IP20 EN/IEC 60034-5 Shaft bushing IP41 EN/IEC 60034-5 |

Ordering and shipping details

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|-------------------|-------------------|
| Category | 11300-MISC. ITEMS |
| Discount Schedule | NET |
| GTIN | 3606480157202 |
| Returnability | No |

Packing Units

| | |
|------------------------------|-------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 3.54 in (9.0 cm) |
| Package 1 Width | 5.31 in (13.5 cm) |
| Package 1 Length | 7.80 in (19.8 cm) |
| Package 1 Weight | 19.61 oz (556.0 g) |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 8 |
| Package 2 Height | 11.81 in (30.0 cm) |
| Package 2 Width | 11.81 in (30.0 cm) |
| Package 2 Length | 15.75 in (40.0 cm) |
| Package 2 Weight | 11.38 lb(US) (5.161 kg) |

Offer Sustainability

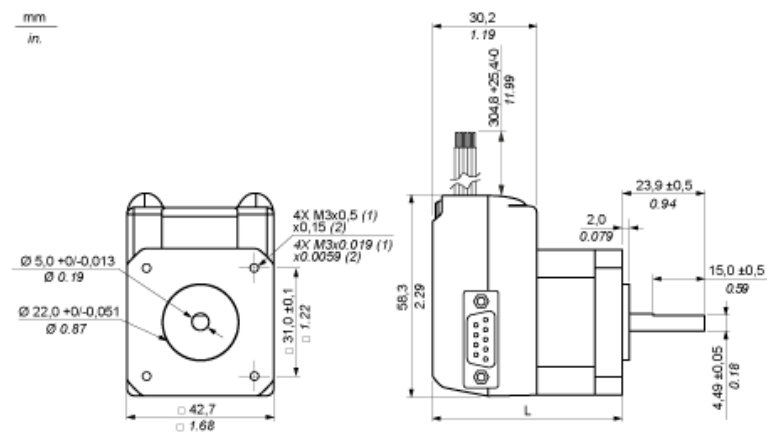
| | |
|----------------------------|---|
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov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

Contractual warranty

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| Warranty | 18 months |
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Integrated Drive with Flying Leads

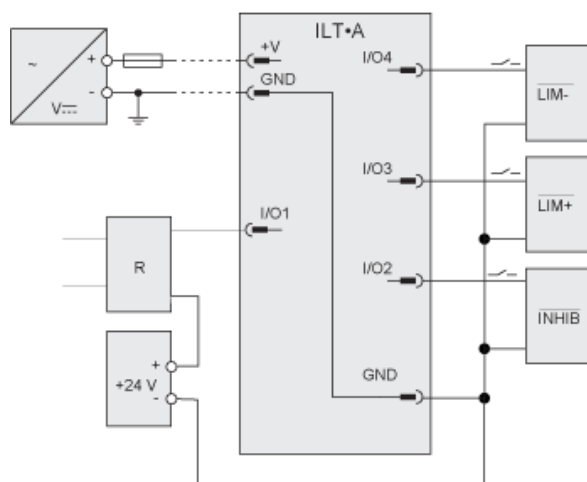
Dimensions



- (1) Thread
- (2) Depth
- L 61.7 mm/2.39 in.

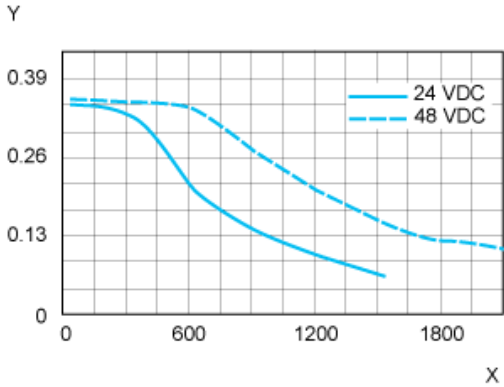
Connection Example with 4 I/O Signals

Three sinking inputs (I/O4 - I/O2) and a sourcing output (I/O1).



R Relay

Torque Characteristics



X Speed of rotation in rpm
Y Torque in Nm