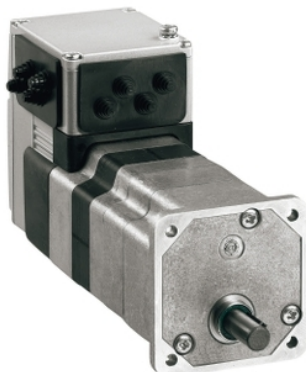


Product availability: Non-Stock - Not normally stocked in distribution facility



Main

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
Phase	Single phase
[Us] rated supply voltage	24 V 36 V
Network type	DC
Communication interface	Profibus DP, integrated
Length	4.80 in (122 mm)
Winding type	Medium speed of rotation and medium torque
Electrical connection	Printed circuit board connector
Holding brake	Without
Gear box type	Without
Reduction ratio	1:1
Nominal speed	4000 rpm 24 V 4800 rpm 36 V
Nominal torque	1.55 Lbf.in (0.175 N.m) 24 V 2.12 lbf.in (0.24 N.m) 36 V

Complementary

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	2.60 in (66 mm)
Number of motor stacks	1
Centring collar diameter	1.57 in (40 mm)
Centring collar depth	0.08 in (2 mm)
Number of mounting holes	4
Mounting holes diameter	0.17 in (4.4 mm)
Circle diameter of the mounting holes	2.90 in (73.54 mm)
Feedback type	BLDC encoder
Shaft end	Untapped
Second shaft	Without second shaft end
Shaft diameter	0.31 in (8 mm)
Shaft length	0.98 in (25 mm)
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 safety input 3 MA at 24 V on/STO_B safety input 2 mA at 24 V 24 V signal interface

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.

Discrete output voltage	23...25 V
Maximum switching current	100 mA per output 200 mA total
Protection type	Overload of output voltage Short circuit of the output voltage Safe torque off
Maximum supply current	0.06 A 36 V power stage disabled) 0.1 A 24 V power stage disabled) 4.7 A 24 V 5.1 A 36 V
Nominal output power	117 W 36 V 74 W 24 V
Peak stall torque	2.30 Lbf.in (0.26 N.m) 24 V 3.19 lbf.in (0.36 N.m) 36 V
Continuous stall torque	2.39 lbf.in (0.27 N.m)
Detent torque	0.71 lbf.in (0.08 N.m)
Speed feedback resolution	12 points/turn
Accuracy error	+/- 1 °
Rotor inertia	0.149 kg.cm ²
Maximum mechanical speed	5000 rpm
Maximum radial force Fr	80 N
Maximum axial force Fa	30 N force pressure) 30 N tensile force)
Service life in hours	20000 h bearing
Marking	CE
Type of cooling	Natural convection
Net weight	3.09 lb(US) (1.4 kg)

Environment

Standards	EN 50347 IEC 60072-1 EN/IEC 50178 EN 61800-3:2001, second environment IEC 61800-3, Ed 2 EN/IEC 61800-3 EN 61800-3 : 2001-02
Product certifications	CUL TÜV UL
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)
Permissible ambient air temperature around the device	221 °F (105 °C) power amplifier 230 °F (110 °C) motor
Ambient air temperature for storage	-13...158 °F (-25...70 °C)
Operating altitude	<= 3280.84 ft (1000 m) without
Relative humidity	15...85 % without condensation
Vibration resistance	20 m/s ² 10...500 Hz) 10 cycles EN/IEC 60068-2-6
Shock resistance	150 m/s ² 1000 shocks EN/IEC 60068-2-29
IP degree of protection	Shaft bushing IP41 EN/IEC 60034-5 Total except shaft bushing IP54 EN/IEC 60034-5

Ordering and shipping details

Category	18288 - LEXIUM INTEGRATED DRIVES II
Discount Schedule	PC56
GTIN	03389119222129
Package weight(Lbs)	1.80 kg (3.96 lb(US))
Returnability	No
Country of origin	DE

Offer Sustainability

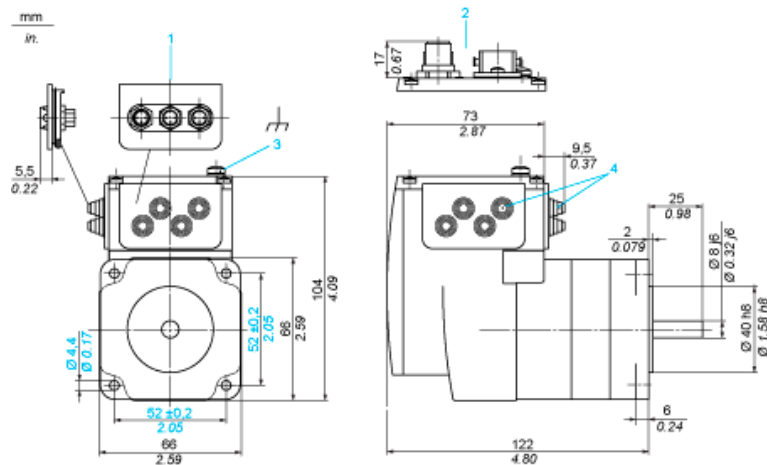
Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product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

Contractual warranty

Warranty	18 months
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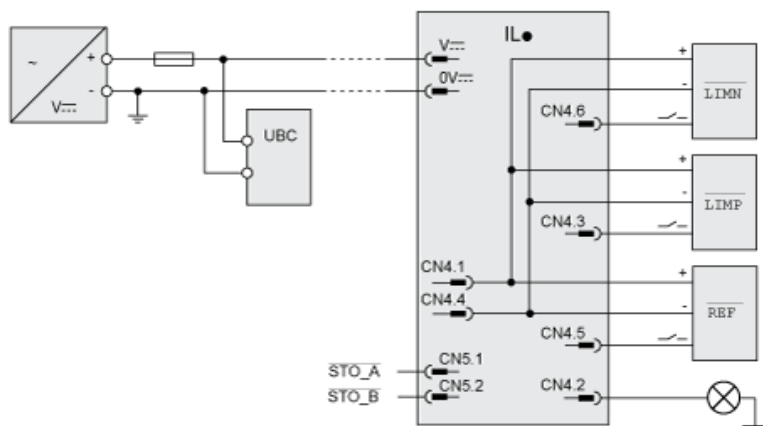
Integrated Drive without Gearing

Dimensions

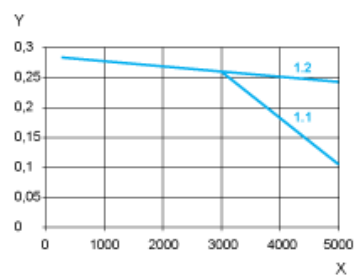


- 1 Accessories: I/O signal insert with industrial connectors
- 2 Option: industrial connectors
- 3 Earth (ground) terminal
- 4 Accessories: cable entries $\varnothing = 3 \dots 9 \text{ mm}/0.12 \dots 0.35 \text{ in.}$

Connection Example with 4 I/O Signals



Torque Characteristics



X Speed of rotation in rpm

Y Torque in Nm

1.1 Max. torque at 24 V

1.2 Max. torque at 36 V