# **Product data sheet**





## integrated drive ILA with servo motor - 24..36 V - CANopen - PCB connector

ILA1F572TB1F0

! Discontinued on: Oct 9, 2023



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

#### Main

Lexium integrated drive
Motion integrated drive
ILA
AC Synchronous Servo Motor
6
Single phase
36 V 24 V
DC
CANopen DS301, Integrated
8.2 in (209.3 mm)
High speed of rotation and medium torque
Printed circuit board connector
With
Without
3100 rpm 24 V 5000 rpm 36 V
3.63 lbf.in (0.41 N.m)
10.6 lbf.in (1.2 N.m) holding brake

## Complementary

Transmission Rate	50, 100, 125, 250, 500, 800 and 1000 kbauds
Mounting Support	Flange
Motor flange size	2.2 in (57 mm)
Number of motor stacks	2
Centring collar diameter	2.0 in (50 mm)
Centring collar depth	0.06 in (1.6 mm)
Number of mounting holes	4
Mounting holes diameter	0.2 in (5.2 mm)
Circle diameter of the mounting holes	2.6 in (66.6 mm)

Price is "List Price" and may be subject to a trade discount - check with your local distributor or retailer for actual price.

Single turn encoder
Untapped
Without second shaft end
0.4 in (9 mm)
0.8 in (20 mm)
1840 V
7500 mA maximum continuous 9000 mA peak
10 A
4 signals (each be used as input or output)
-34.5 V
1530 V
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
2325 V
100 mA per output 200 mA total
- 11 - 111
Overload of output voltage Safe torque off Short circuit of the output voltage
Overload of output voltage Safe torque off
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Overload of output voltage Safe torque off Short circuit of the output voltage  5.40 lbf.in (0.61 N.m)  3.63 lbf.in (0.41 N.m)  16384 points/turn x 4096 turns  +/- 0.05 °  0.25 kg.cm²  107 N  104 N force pressure) 104 N tensile force)  20000 h bearing  10 W  14 ms  13 ms

## **Environment**

Standards	EN 61800-3 : 2001-02 EN 61800-3:2001, second environment EN/IEC 61800-3 IEC 61800-3, Ed 2 EN 50347 EN/IEC 50178 IEC 60072-1
Product Certifications	UL TÜV cUL

Ambient air temperature for operation	122149 °F (5065 °C) with power derating of 2 % per °C) 32122 °F (050 °C) without derating)	
Permissible ambient air temperature around the device	221 °F (105 °C) power amplifier 230 °F (110 °C) motor	
Ambient Air Temperature for Storage	-13158 °F (-2570 °C)	
Operating altitude	<= 3280.84 ft (1000 m) without derating	
Relative humidity	1585 % without condensation	
Vibration resistance	20 m/s² 10500 Hz) 10 cycles EN/IEC 60068-2-6	
Shock resistance	150 m/s² 1000 shocks 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	

# Ordering and shipping details

Category	US1PC5618288
Discount Schedule	PC56
GTIN	3389119225571
Returnability	No
Country of origin	DE

# **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.3 in (11 cm)
Package 1 Width	7.5 in (19 cm)
Package 1 Length	15.4 in (39 cm)
Package 1 Weight	5.74 lb(US) (2.603 kg)
Unit Type of Package 2	S04
Number of Units in Package 2	4
Package 2 Height	11.8 in (30 cm)
Package 2 Width	15.7 in (40 cm)
Package 2 Width Package 2 Length	15.7 in (40 cm) 23.6 in (60 cm)

## **Contractual warranty**

Warranty 18 months

# Sustainability Green Premium\*

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

### Well-being performance

	Mercury Free	
<b>⊘</b>	Rohs Exemption Information	Yes
<b>⊘</b>	Pvc Free	

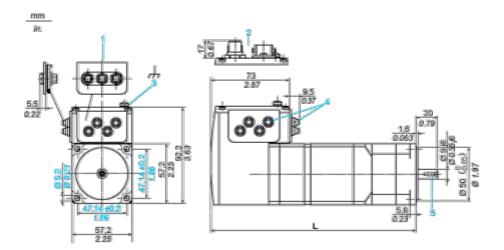
#### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
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.
Circularity Profile	End of Life Information
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

#### **Dimensions Drawings**

#### **Integrated Drive with Holding Brake**

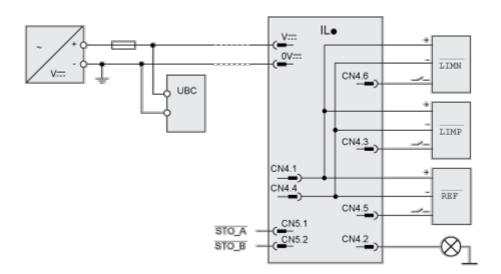
#### **Dimensions**



- 1 Accessories: I/O signal insert with industrial connectors
- 2 Option: industrial connectors
- 3 Earth (ground) terminal
- 4 Accessories: cable entries  $\emptyset = 3 \dots 9 \text{ mm}/0.12 \dots 0.35 \text{ in.}$
- 5 Centring hole DIN 332 DS M3
- L 209.3 mm/8.24 in.

Connections and Schema

### Connection Example with 4 I/O Signals

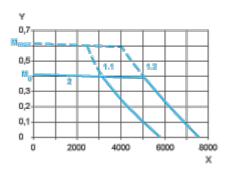


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#### Performance Curves

### **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
- 2 Continuous torque