# **Product data sheet**

Specification





# integrated drive ILA with servo motor - 24..48 V - EtherNet/IP indus connector

ILA2K571TC1F0

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

Price\*: 5,321.25 USD

#### Main

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
Phase	Single phase
[Us] rated supply voltage	24 V 48 V
network type	DC
Communication interface	Ethernet/IP, Integrated
Length	7.5 in (190.8 mm)
Winding type	High speed of rotation and medium torque
Electrical Connection	Industrial connector
Holding brake	With
Gear box type	Without
Nominal speed	5000 rpm 24 V 7000 rpm 48 V
Nominal torque	2.74 lbf.in (0.31 N.m)
Holding torque	10.6 lbf.in (1.2 N.m) holding brake

## Complementary

Transmission Rate	125, 250, 500 kbauds
Mounting Support	Flange
Motor flange size	2.2 in (57 mm)
Number of motor stacks	1
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)
Feedback type	Single turn encoder

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

## **Environment**

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

Ambient air temperature for operation	104131 °F (4055 °C) with power derating of 2 % per °C) 32104 °F (040 °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 IEC 60068-2-6	
Shock resistance	150 m/s² 1000 shocks IEC 60068-2-29	
IP degree of protection	IP41 shaft bushing: conforming to IEC 60034-5 IP54 total except shaft bushing: conforming to IEC 60034-5	

# Ordering and shipping details

Category	US1PC5618288
Discount Schedule	PC56
GTIN	3606485204536
Returnability	No
Country of origin	DE

# **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.1 in (8.0 cm)
Package 1 Width	7.3 in (18.5 cm)
Package 1 Length	14.0 in (35.5 cm)
Package 1 Weight	4.6 lb(US) (2.1 kg)

## **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

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

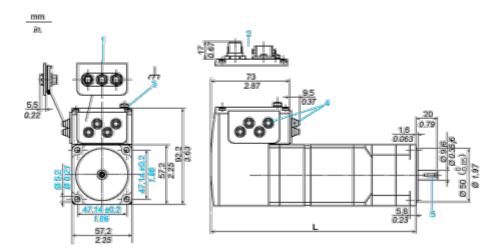
#### **Certifications & Standards**

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**

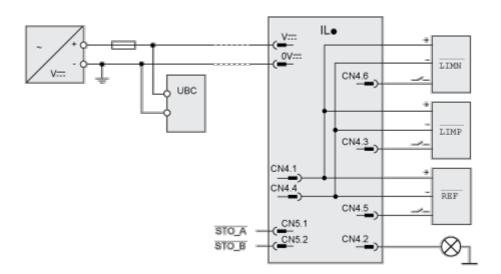
#### **Dimensions**



- 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 190.8 mm/7.51 in.

Connections and Schema

### Connection Example with 4 I/O Signals

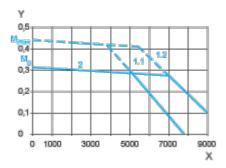


## Product data sheet

### ILA2K571TC1F0

#### 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 48 V
- 2 Continuous torque