# **Product datasheet**

Specification





## integrated drive ILA with servo motor - 24..48 V - Modbus TCP indus connector

ILA2T572TC1A0

! Discontinued on: 15 Jun 2023

! End-of-service on: 30 Jun 2023

## ① Discontinued

## 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	
Network number of phases	Single phase	
[Us] rated supply voltage	24 V 48 V	
network type	DC	
Communication interface	Modbus TCP, integrated	
Length	163.8 mm	
Winding type	High speed of rotation and medium torque	
Electrical connection	Industrial connector	
Holding brake	Without	
Gear box type	Without	
Nominal speed	3000 rpm at 24 V 5100 rpm at 48 V	
Nominal torque	0.57 N.m	

## Complementary

Transmission rate	10, 100 Mbits
mounting support	Flange
Motor flange size	57 mm
Number of motor stacks	2
Centring collar diameter	50 mm
Centring collar depth	1.6 mm
Number of mounting holes	4
Mounting holes diameter	5.2 mm
Circle diameter of the mounting holes	66.6 mm
Feedback type	Single turn encoder

Untapped	
Without second shaft end	
20 mm	

## **Environment**

Standards	IEC 60072-1 EN/IEC 61800-3 EN 50347 EN 61800-3 : 2001-02 EN 61800-3:2001, second environment IEC 61800-3, Ed 2 EN/IEC 50178	
Product certifications	cUL TÜV UL	
Ambient air temperature for operation	temperature for 4055 °C (with power derating of 2 % per °C) 040 °C (without derating)	
Permissible ambient air temperature around the device	105 °C power amplifier 110 °C motor	

Ambient air temperature for storage	-2570 °C
Operating altitude	<= 1000 m without derating
Relative humidity	1585 % without condensation
Vibration resistance	20 m/s² (f= 10500 Hz) 10 cycles conforming to EN/IEC 60068-2-6
Shock resistance	150 m/s² 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

# **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	11.5 cm
Package 1 Width	19.0 cm
Package 1 Length	39.5 cm
Package 1 Weight	2.0 kg

## **Contractual warranty**

Warranty 18 months



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Transparency RoHS/REACh

## Well-being performance

	Mercury Free	
<b>②</b>	Rohs Exemption Information	Yes
	Pvc Free	

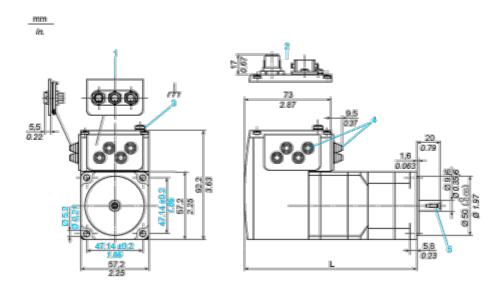
#### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
<b>Environmental Disclosure</b>	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

#### **Dimensions Drawings**

## **Integrated Drive without Holding Brake**

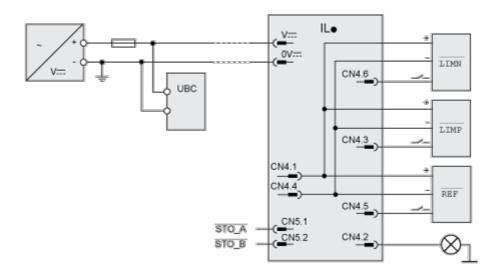
#### **Dimensions**



- 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 163.8 mm/6.45 in.

Connections and Schema

## Connection Example with 4 I/O Signals

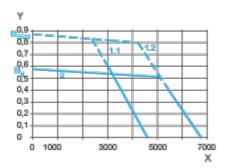


## **Product datasheet**

## ILA2T572TC1A0

#### 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