

Product data sheet

Specifications



integrated drive ILA with servo motor - 24..48V - Ethernet Powerlink- indus conn

ILA2P572TC1A0

! Discontinued

! Discontinued on: Nov 9, 2020

! End-of-service on: Nov 30, 2020

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 | 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 Powerlink, Integrated |
| Length | 6.4 in (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 24 V 5100 rpm 48 V |
| Nominal torque | 5.04 lbf.in (0.57 N.m) |

Complementary

| | |
|---------------------------------------|------------------|
| Transmission Rate | 100 Mbits |
| 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.

| | |
|-----------------------------------|--|
| Feedback type | Single turn encoder |
| Shaft end | Untapped |
| Second shaft | Without second shaft end |
| Shaft diameter | 0.4 in (9 mm) |
| Shaft length | 0.8 in (20 mm) |
| Supply voltage limits | 18...55.2 V |
| Current consumption | 7500 mA maximum continuous 9000 mA peak |
| Associated fuse rating | 16 A |
| Commissioning interface | RS485 Modbus TCP 9.6, 19.2 and 38.4 kbauds) |
| 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 safety input 2 mA at 24 V 24 V signal interface |
| Discrete output voltage | 23...25 V |
| Maximum switching current | 100 mA per output 200 mA total |
| Protection Type | Overload of output voltage Safe torque off Short circuit of the output voltage |
| Peak stall torque | 7.52 lbf.in (0.85 N.m) |
| Continuous stall torque | 5.04 lbf.in (0.57 N.m) |
| Speed feedback resolution | 16384 points/turn |
| Accuracy error | +/- 0.05 ° |
| Rotor inertia | 0.173 kg.cm ² |
| Maximum radial force Fr | 107 N |
| Maximum axial force Fa | 104 N force pressure) 104 N tensile force) |
| Service life in hours | 20000 h bearing |
| Marking | CE |
| Type of cooling | Natural convection |
| Net Weight | 3.7 lb(US) (1.7 kg) |

Environment

| | |
|--|---|
| Standards | EN 61800-3:2001, second environment EN 61800-3 : 2001-02 EN/IEC 50178 IEC 61800-3, Ed 2 EN 50347 EN/IEC 61800-3 IEC 60072-1 |
| Product Certifications | UL TÜV cUL |
| Ambient air temperature for operation | 104...131 °F (40...55 °C) (with power derating of 2 % per °C) 32...104 °F (0...40 °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 | -13...158 °F (-25...70 °C) |
| Operating altitude | <= 3280.84 ft (1000 m) without derating |
| 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 | 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 | 18288 - LEXIUM INTEGRATED DRIVES II |
| Discount Schedule | PC56 |
| GTIN | 3606485187792 |
| Returnability | No |
| Country of origin | DE |

Packing Units

| | |
|-------------------------------|-------------------|
| Unit Type of Package 1 | PCE |
| Nbr. of units in pkg. | 1 |
| Package 1 Height | 4.5 in (11.5 cm) |
| Package 1 Width | 7.5 in (19 cm) |
| Package 1 Length | 15.6 in (39.5 cm) |
| Package weight(Lbs) | 4.4 lb(US) (2 kg) |

Contractual warranty

| | |
|-----------------------------|----|
| Warranty (in months) | 18 |
|-----------------------------|----|



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



Environmental footprint

[Environmental Disclosure](#)

[Product Environmental Profile](#)

Use Better



Materials and Substances

[EU RoHS Directive](#)

Pro-active compliance (Product out of EU RoHS legal scope)

REACH Regulation

[REACH Declaration](#)

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

PVC free

Yes

Use Longer



Lifetime extension

Repair

No

Use Again




Repack and remanufacture

[Circularity Profile](#)

[End of Life Information](#)

WEEE Label

 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

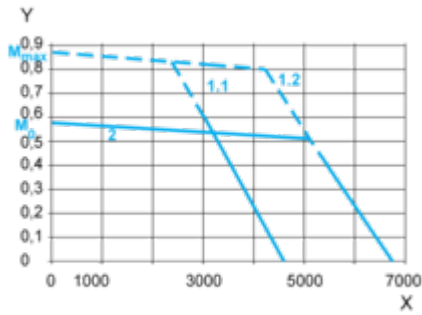
Wiring

Connection Example with 4 I/O Signals



PerformanceCurves

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