



## Main

Range of Product	Lexium 28
Product or Component Type	Motion servo drive
Device short name	LXM28A
Format of the drive	Compact housing
Line current	6 A 181.8 % 220 V, single phase 6 A 160.6 % 220 V, three phase

## Complementary

Phase	Single phase Three phase
[Us] rated supply voltage	200...240 V - 10...15 % three phase 200...240 V - 20...15 % single phase
Supply voltage limits	200...255 V three phase 170...255 V single phase
Supply frequency	50/60 Hz - 5...5 %
Network Frequency	47.5...63 Hz
EMC filter	Without EMC filter
Continuous output current	4.5 A 16 kHz
Output current 3s peak	13.5 A 220 V
Continuous power	750 W 220 V
Nominal power	0.75 kW 220 V 16 kHz
Switching frequency	16 kHz
Overvoltage category	III
Maximum leakage current	1.3 mA
Output voltage	<= power supply voltage
Electrical isolation	Between power and control
Type of cable	Shielded motor cable 32...131 °F (0...55 °C)) copper
Electrical connection	Spring terminal 0.82...1 mm <sup>2</sup> , AWG 18 L1-L2) Spring terminal 0.82...1 mm <sup>2</sup> , AWG 18 R, S, T) Spring terminal 0.82...1 mm <sup>2</sup> , AWG 18 U, V, W, PE) Spring terminal 0.82...1 mm <sup>2</sup> , AWG 18 PA/+, PBe)
Discrete input number	8 programmable CN1) 1 pulse train input (PTI) CN1) 2 fast capture CN1) 1 safety function STO CN9)
Discrete input voltage	24 V DC logic
Discrete input logic	Positive or negative CN1)
Discrete output number	5 logic output CN1)12...24 V DC 1 pulse train output (PTO) CN1)
Discrete output voltage	12...24 V DC
Discrete output logic	Positive or negative CN1)
Analogue input number	2
Absolute accuracy error	0.1 %
Analogue input type	V_REF voltage analog input - 10...10 V 10 kOhm 14 bits T_REF voltage analog input

Control signal type	Servo motor encoder feedback CN2
Protection type	Against reverse polarity inputs signal Against short-circuits outputs signal Overcurrent motor Overvoltage motor Undervoltage motor Overheating motor Overload motor Overspeed motor
Safety function	STO (safe torque off), Integrated
Safety level	SIL 2 IEC 61800-5-2 2007 SIL 2 IEC 61508-1 2010 PL d/category 3 ISO 13849-1 2008 SIL 2 ISO 13849-1 2009/AC SIL 2 IEC 60204-1 2006 SIL 2 IEC 60204-1 2009/A1 SIL 2 IEC 60204-1 2010/AC SIL 2 IEC 62061 2012
Communication interface	CANopen, Integrated CANmotion, Integrated
Connector type	RJ45 CN4)CANopen, CANmotion
Method of access	Slave
Transmission rate	250 kbit/s 328.08...820.21 ft (100...250 m) CANopen, CANmotion 500 kbit/s 13.12...328.08 ft (4...100 m) CANopen, CANmotion 1 Mbit/s 13.12 ft (4 m) CANopen, CANmotion
Number of addresses	1...127 CANopen, CANmotion
Physical interface	RS485 Modbus Serial line slave
Status LED	1 LED (Red) charge 1 LED (Green) RUN 1 LED (Red) error
Signalling function	Servo status and fault codes five 7-segment display units
Marking	CSA CULus CE
Type of cooling	Integrated fan
Operating position	Vertical
Product compatibility	Servo motor BCH2 5.12 in (130 mm), 1 500 W Servo motor BCH2 3.15 in (80 mm), 2 750 W Servo motor BCH2 5.12 in (130 mm), 1 600 W
Width	2.17 in (55 mm)
Height	5.91 in (150 mm)
Depth	5.75 in (146 mm)
Net Weight	2.20 lb(US) (1 kg)
Output current 3s peak 2	13.5 A 220 V
Output current 3s peak 3	13.5 A 220 V

## Environment

Electromagnetic compatibility	Conducted emission - test level: level 3 category C3 conforming to IEC 61800-3
Standards	IEC 61800-5-1
Product Certifications	CE[RETURN]cULus[RETURN]CSA
IP degree of protection	IP20
Vibration resistance	3M4 3 mm 9...200 Hz)IEC 60721-3-3
Shock resistance	10 gn, type I IEC 60721-3-3
Relative humidity	5...95 % without condensation
Ambient Air Temperature for Operation	32...131 °F (0...55 °C)
Ambient Air Temperature for Storage	-13...149 °F (-25...65 °C)
Operating altitude	<= 3280.84 ft (1000 m) without derating > 3280.84...6561.68 ft (> 1000...2000 m) 1 % per 100 m






## Ordering and shipping details

Category	18262-LEXIUM 23/28 SERVO DRIVES
Discount Schedule	PC51
GTIN	3606480711794
Returnability	No
Country of origin	CN

## Packing Units

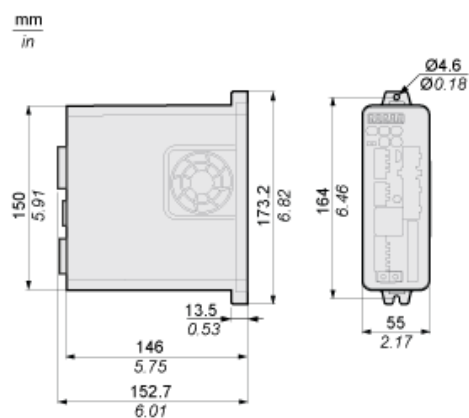
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.02 in (7.679 cm)
Package 1 Width	9.03 in (22.941 cm)
Package 1 Length	9.33 in (23.694 cm)
Package 1 Weight	2.89 lb(US) (1.31 kg)
Unit Type of Package 2	S03
Number of Units in Package 2	5
Package 2 Height	11.81 in (30 cm)
Package 2 Width	11.77 in (29.9 cm)
Package 2 Length	15.67 in (39.8 cm)
Package 2 Weight	15.87 lb(US) (7.2 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	40
Package 3 Height	31.50 in (80 cm)
Package 3 Width	31.50 in (80 cm)
Package 3 Length	23.62 in (60 cm)
Package 3 Weight	147.81 lb(US) (67.044 kg)

## Offer Sustainability

Sustainable offer status	Green Premium product
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	 <a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
RoHS exemption information	 <a href="#">Yes</a>
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>
Circularity Profile	 <a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
PVC free	Yes

## Dimensions

### Dimensions of Drive



## Mounting Clearance

### Mounting Distances and Air Circulation

mm  
in.

