

# motion servo drive - Lexium 26 - single and three phase 200...230 V - 200 W

LXM26DU02M3X

### Main

Range of product	Easy Lexium 26	
Device short name	LXM26D	
Format of the drive	Compact housing	
Product or component type	Motion servo drive	
Line current	2.4 A 226.8 % at 220 V, single phase 2.4 A 200.7 % at 220 V, three phase	

## **Complementary**

Network number of phases	Single phase Three phase	
[Us] rated supply voltage	220 V (- 1015 %) for three phase 220 V (- 2015 %) for single phase	
Supply voltage limits	200255 V three phase 170255 V single phase	
Supply frequency	50/60 Hz - 55 %	
Network frequency	47.563 Hz	
Continuous output current	1.5 A at 16 kHz	
Output current 3s peak	4.5 A at 220 V	
Continuous power	200 W at 220 V	
Nominal power	0.2 kW at 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	Twisted shielded pairs cable (single or double) (temperature: 055 °C)	
Electrical connection	Spring terminal, clamping capacity: 0.821 mm², AWG 18 (L1-L2) Spring terminal, clamping capacity: 0.821 mm², AWG 18 (R, S, T) Spring terminal, clamping capacity: 0.821 mm², AWG 18 (U, V, W, PE) Spring terminal, clamping capacity: 0.821 mm², AWG 18 (PA/+, PBe)	
Tightening torque	PE (ground): 1.4 N.m	
Discrete input number	8 programmable (CN1) 1 pulse train input (PTI) (CN1) 2 fast capture (CN1)	
Discrete input voltage	24 V DC for logic	
Discrete input logic	Positive or negative (CN1)	

Discrete output number	1	
	5	
Discrete output type	Logic (CN1) at 1224 V DC	
	Pulse train output (PTO) (CN1)	
Discrete output voltage	1224 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: - 1010 V, impedance: 10 kOhm, resolution: 12 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	
Physical interface	RS485 for Modbus Serial line slave	
Status LED	1 LED (red) charge	
Signalling function	Servo status and fault codes five 7-segment display units	
Marking	CSA	
	CULus	
	CE	
type of cooling	Natural convection	
Operating position	Vertical	
Product compatibility	Servo motor BCH2 (60 mm, 1 motor stacks)	
Width	55 mm	
Height	150 mm	
Depth	146 mm	
Product weight	1 kg	

## **Environment**

EMC filter	Without EMC filter	
Electromagnetic compatibility	Conducted emission - test level: level 3 category C3 conforming to IEC 61800-3	
Standards	IEC 61800-5-1	
Product certifications	CSA CE cULus	
IP degree of protection	IP20	
Vibration resistance	3M4 amplitude = 3 mm (f = 9200 Hz) conforming to IEC 60721-3-3	
Shock resistance	10 gn, type I conforming to IEC 60068-2-27	
Relative humidity	595 % without condensation	
Ambient air temperature for operation	055 °C	
Ambient air temperature for storage	-2565 °C	
Operating altitude	<= 1000 m without derating > 10002000 m 1 % per 100 m	

## **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.527 cm
Package 1 Width	22.906 cm
Package 1 Length	23.628 cm
Package 1 Weight	1.26 kg
Unit Type of Package 2	S03
Number of Units in Package 2	5
Package 2 Height	30.0 cm
Package 2 Width	29.9 cm
Package 2 Length	39.8 cm
Package 2 Weight	6.93 kg



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**

<b>⊗</b> Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration
PVC free	Yes

#### **Use Again**

○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No

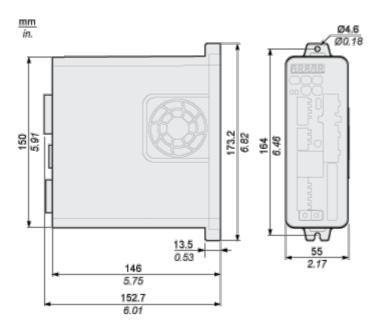
## **Product datasheet**

## LXM26DU02M3X

**Dimensions Drawings** 

#### **Dimensions**

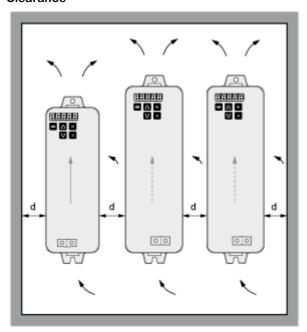
#### **Servo Drive Dimensions**

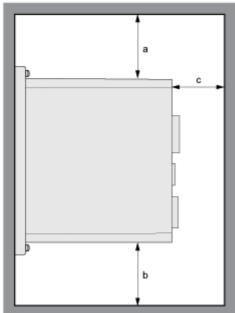


## Mounting and Clearance

### **Mounting and Clearance**

#### Clearance





Distance	Unit	Value
Free space a above the device	mm (in)	≥ 50 ≥ 1.97
Free space <b>b</b> below the device	mm (in)	≥ 50 ≥ 1.97
Free space <b>c</b> in front of the device <sup>(1)</sup>	mm (in)	≥ 60 ≥ 2.36
Free space <b>d</b> between devices	mm (in)	≥ 15 ≥ 0.59

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