Product datasheet

Specifications

motion servo drive - Lexium 26 - three phase 200...230 V - 4.5 kW

LXM26DU45M3X

Discontinued on: 27 Aug 2020

To be end-of-service on: 30 Jun 2028

Discontinued

Main

Range of product	Easy Lexium 26
Device short name	LXM26D
Product or component type	Motion servo drive
Format of the drive	Compact housing
Line current	17.9 A 147.1 % at 220 V, three phase

Complementary

Network number of phases	Three phase
[Us] rated supply voltage	220 V (- 10...15 %) for three phase
Supply voltage limits	170…255 V three phase
Supply frequency	50/60 Hz - 5...5 %
Network frequency	47.5...63 Hz
Continuous output current	22.9 A at 8 kHz
Output current 3s peak	61 A at 220 V
Continuous power	4500 W at 220 V
Nominal power	4.5 kW at 220 V 8 kHz
Switching frequency	8 kHz
Overvoltage category	III
Maximum leakage current	1.55 mA
Output voltage	<= power supply voltage
Electrical isolation	Between power and control
Type of cable	Twisted shielded pairs cable (single or double) (temperature: 0…55 °C)
Electrical connection	Spring terminal, clamping capacity: 6 mm², AWG 10 (L1-L2) Spring terminal, clamping capacity: 6 mm², AWG 10 (R, S, T) Terminal, clamping capacity: 6 mm², AWG 10 (U, V, W, PE) Terminal, clamping capacity: 6 mm², AWG 10 (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 12...24 V DC 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, 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	CULus CE
Type of cooling	Integrated fan
Operating position	Vertical
Product compatibility	Servo motor BCH2 (180 mm, 3 motor stacks) Servo motor BCH2 (180 mm, 4 motor stacks)
Width	117.4 mm
Height	234 mm
Depth	193 mm
Net weight	3.2 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	cULus CE
IP degree of protection	IP20
Vibration resistance	3M4 amplitude = 3 mm (f = 9…200 Hz) conforming to IEC 60721-3-3
Shock resistance	10 gn, type I conforming to IEC 60068-2-27
Relative humidity	5…95 % without condensation
Ambient air temperature for operation	0…55 °C
Ambient air temperature for storage	-25…65 °C
Operating altitude	<= 1000 m without derating > 1000...2000 m 1 % per 100 m

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	19.6 cm
Package 1 Width	25.8 cm
Package 1 Length	34.7 cm
Package 1 Weight	4992.5 g

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

Total lifecycle Carbon footprint	**19 217 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**
Carbon footprint of the manufacturing phase [A1 to A3]	**80 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.6 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**19 134 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**2 kg CO2 eq.**

Use Better

Materials and Packaging

Packaging made with recycled cardboard	**No**
Packaging without single use plastic	**No**
PVC free	**Yes**

Use Longer

Lifetime extension

Repair	**No**

Use Again

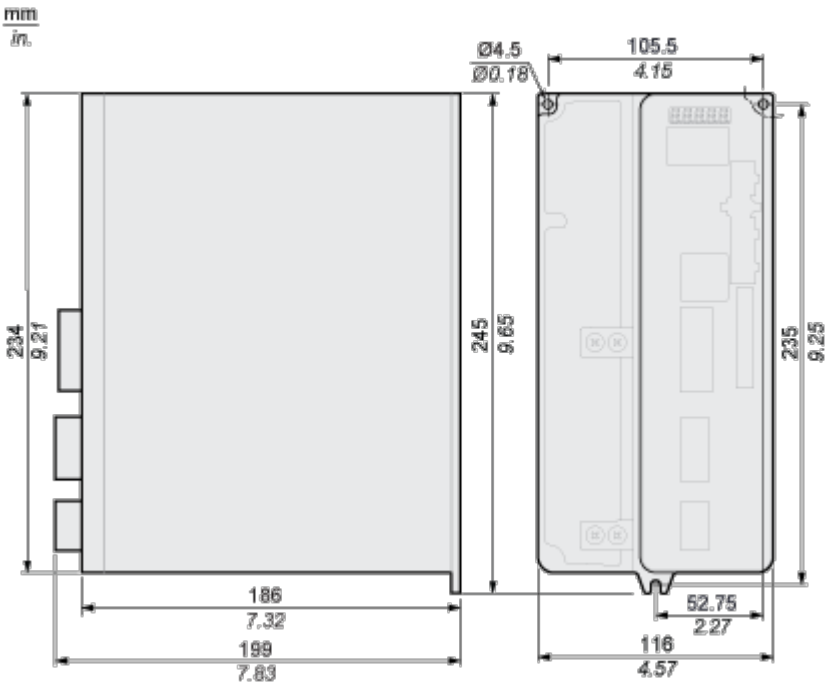
Repack and remanufacture

Recyclability potential, in %	**40**
End of life manual availability	**End of Life Information**
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**

Dimensions Drawings

Dimensions

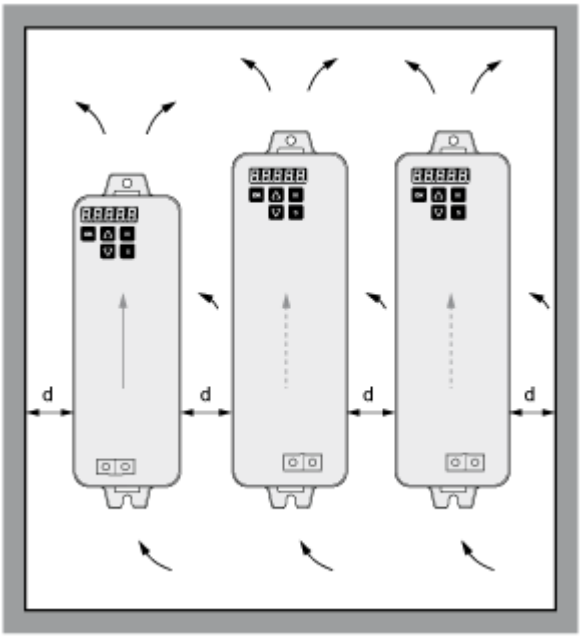
Servo Drive Dimensions

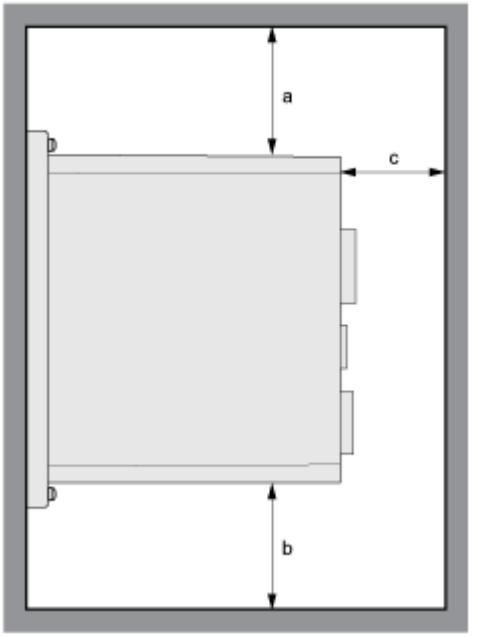


Mounting and Clearance

Mounting and Clearance

Clearance





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