Product data sheet

Specifications



motion control stepper motor drive - SD326 - pulse/direction - <= 2.5 A

SD326DU25S2

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Lexium SD3
Product or Component Type	Motion stepper drive
Device short name	SD326
Supply voltage limits	100…120 V 200…240 V

Complementary

Format of the drive	Block
Phase	Single phase
[Us] rated supply voltage	100...120 V - 15...10 % 200...230 V - 15...10 %
Supply voltage type	AC/DC
Network frequency limits	50…60 Hz - 15...10 %)
Communication interface	Pulse/direction, Integrated
Maximum motor phase current	2.5 A
Nominal power	180 W 115 V 270 W 230 V
Short-circuit current	0.5 kA
Associated fuse rating	6 A 115 V 6 A 230 V
Overvoltage category	III
Inrush current	60 A
Maximum leakage current	30 mA IEC 60990-3
Voltage state 0 guaranteed	<= 5 V 24 V optocoupler input signals <= 0.5 V 5 V optocoupler input signals
Voltage state 1 guaranteed	15...30 V 24 V optocoupler input signals 2.5...5.25 V 5 V optocoupler input signals
Input current	25 mA 5 V optocoupler input signals 7 mA 24 V optocoupler input signals
Maximum input frequency	200 kHz 24 V optocoupler input signals 200 kHz 5 V optocoupler input signals
Maximum switching voltage	30 V DC readiness signal output)
Maximum switching current	200 mA readiness signal output)
Maximum voltage drop	<1 V 50 mA load readiness signal output
Type of cooling	Natural convection

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Maximum mechanical speed	3000 rpm
Height	5.7 in (145 mm)
Width	2.8 in (72 mm)
Depth	5.5 in (140 mm)
Shock resistance	15 gn 11 ms IEC 60068-2-27
Net Weight	2.4 lb(US) (1.1 kg)

Environment

Electromagnetic compatibility	Electrostatic discharge level 3 conforming to IEC 61000-4-2 Immunity to electrical transients level 4 conforming to IEC 61000-4-4 Immunity to radiated radio-electrical interference level 3 conforming to IEC 61000-4-3 Voltage/current impulse level 3 conforming to IEC 61000-4-5
Standards	EN 61800-3 EN/IEC 61800-5-1
Product Certifications	UL cUL
Marking	CE
Ambient air temperature for operation	32…104 °F (0…40 °C) UL 32…122 °F (0…50 °C)
Ambient Air Temperature for Storage	-13…158 °F (-25…70 °C)
Pollution degree	Level 2
Relative humidity	5…85 % without condensation
Operating altitude	<= 3280.84 ft (1000 m) without derating > 3280.84...< 6561.68 ft (> 1000...< 2000 m) without derating maximum ambient temperature 40°C, no protective film, lateral distance of > 50mm)
Vibration resistance	1 gn (f= 13…150 Hz) conforming to IEC 60068-2-6 1.5 mm (f= 3…13 Hz) conforming to IEC 60068-2-6
IP degree of protection	IP20 On upper part: IP40 (without removal of protective film)

Ordering and shipping details

Category	US1PC5518285
Discount Schedule	PC55
GTIN	3389119224321
Returnability	Yes
Country of origin	DE

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	5.315 in (13.500 cm)
Package 1 Width	6.732 in (17.100 cm)
Package 1 Length	7.441 in (18.900 cm)
Package weight(Lbs)	2.716 lb(US) (1.232 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

Total lifecycle Carbon footprint	**500 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**90 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.4 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.5 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**408 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**2 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
SCIP Number	**19ee4950-c76c-48d9-8353-203688a9f056**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**
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**

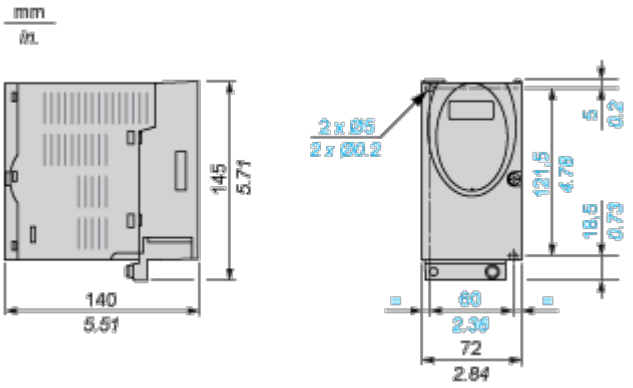
Use Again

Repack and remanufacture

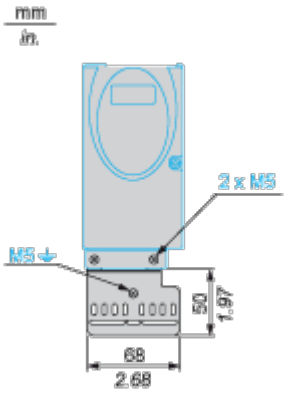
Recyclability potential, in %	**98**
Circularity Profile	**End of Life Information**
Take-back	**No**

Dimensions Drawings

Dimensions

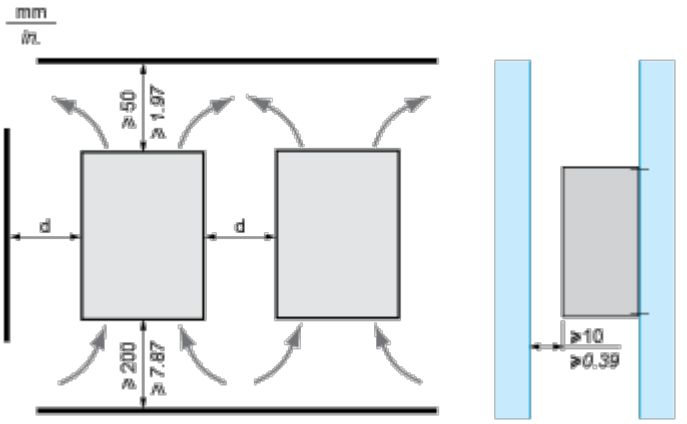


EMC mounting plate (included)



Mounting and Clearance

Mounting and Clearance



Ambient temperature	Mounting distances	Mounting recommendations	
		Without protective film (1)	With protective film
0 ... +40 °C	d > 50 mm/ 1.97 in.	None	None
	d > 50 mm/ 1.97 in.	None	d > 10 mm/0.39 in.
+40 ... +50 °C	d > 50 mm/ 1.97 in.	None	Reduce nominal and continuous current by 2.2 % per °C above 40 °C
	d > 50 mm/ 1.97 in.	Reduce nominal and continuous current	Operation not possible
(1) Recommendation: remove protective film after installation.			

Connections and Schema

SD326 Connection Example

