

Product data sheet

Specifications



motion control stepper motor drive - SD326 - pulse/direction - <= 6.8 A

SD326RU68S2

Product availability: Non-Stock - Not 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
Function Available	Rotation monitoring Holding brake monitoring
Maximum motor phase current	6.8 A
Current consumption	<= 0.2 mA 24 V control voltage
Nominal power	280 W 115 V 420 W 230 V
Short-circuit current	0.5 kA
Associated fuse rating	10 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 400 kHz ENC_A/ENC_B signal input
Maximum switching voltage	30 V DC readiness signal output)

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 switching current	200 mA readiness signal output) 50 mA 24 V output signals)RM-FAULT_OUT 1.7 mA 24 V output signals)+BRAKE_OUT
Maximum voltage drop	<1 V 50 mA load 24 V output signals <1 V 50 mA load ENC+5V_OUT signal output <1 V 50 mA load readiness signal output
Physical interface	RS422 - ENC_A/ENC_B signal input
Output voltage	<= 30 V 24 V output signals) 4.75...5.25 V ENC+5V_OUT signal output)
Input voltage	24 V -15 %/+20 % 24 V control voltage
Residual ripple	<= 5 % 24 V control voltage)
Type of cooling	Fan
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
Product Weight	2.6 lb(US) (1.2 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	3389119224352
Returnability	No
Country of origin	DE

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	7.09 in (18 cm)
Package 1 Width	7.7 in (19.5 cm)
Package 1 Length	7.5 in (19 cm)
Package weight(Lbs)	2.921 lb(US) (1.325 kg)
Unit Type of Package 2	S04
Number of Units in Package 2	6
Package 2 Height	11.8 in (30 cm)
Package 2 Width	15.7 in (40 cm)
Package 2 Length	23.6 in (60 cm)
Package 2 Weight	20.287 lb(US) (9.202 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	1 119 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	96 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.5 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]	1 019 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 Longer



Lifetime extension

Repair	No
--------	----

Use Again

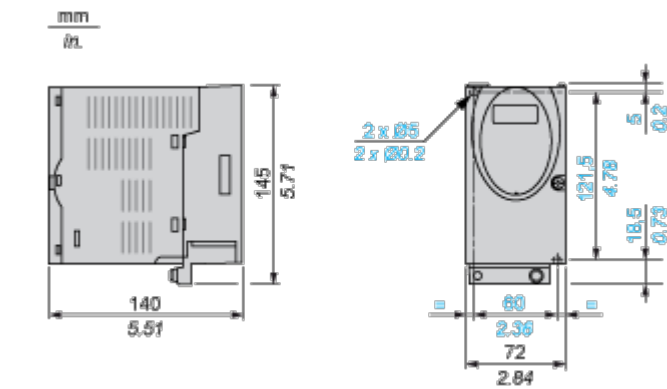


Repack and remanufacture

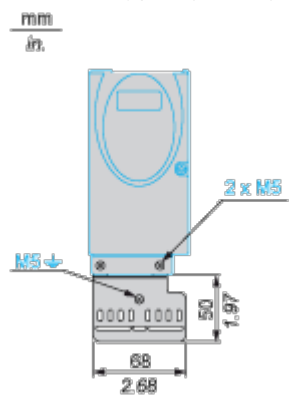
Recyclability potential, in %	98
Circularity Profile	End of Life Information
Take-back	No

Dimensions Drawings

Dimensions

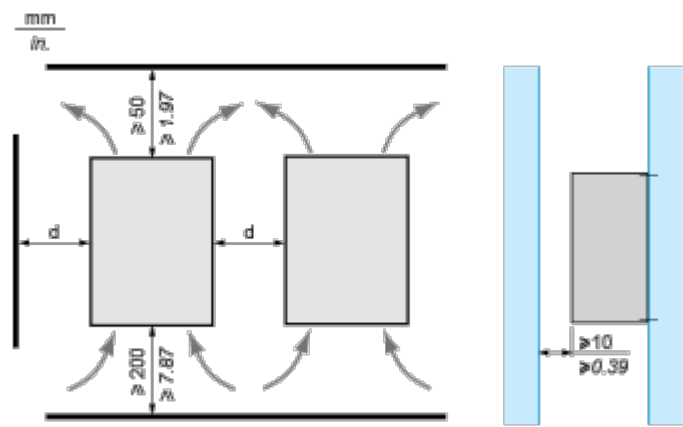


EMC mounting plate (included)



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

