

# Product data sheet

Specifications



## motion control stepper motor drive - SD326 - pulse/direction - $\leq 2.5$ A

SD326RU25S2

**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	200...240 V 100...120 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	2.5 A
Current consumption	$\leq 0.2$ mA 24 V control voltage
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	$\leq 5$ V 24 V optocoupler input signals $\leq 0.5$ 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.

<b>Maximum switching current</b>	200 mA readiness signal output) 50 mA 24 V output signals)RM-FAULT_OUT 1.7 mA 24 V output signals)+BRAKE_OUT
<b>Maximum voltage drop</b>	<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
<b>Physical interface</b>	RS422 - ENC_A/ENC_B signal input
<b>Output voltage</b>	<= 30 V 24 V output signals) 4.75...5.25 V ENC+5V_OUT signal output)
<b>Input voltage</b>	24 V -15 %/+20 % 24 V control voltage
<b>Residual ripple</b>	<= 5 % 24 V control voltage)
<b>type of cooling</b>	Natural convection
<b>Maximum mechanical speed</b>	3000 rpm
<b>Height</b>	5.7 in (145 mm)
<b>Width</b>	2.8 in (72 mm)
<b>Depth</b>	5.5 in (140 mm)
<b>Shock resistance</b>	15 gn 11 ms IEC 60068-2-27
<b>Net Weight</b>	2.4 lb(US) (1.1 kg)

## Environment

<b>Electromagnetic compatibility</b>	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
<b>Standards</b>	EN 61800-3 EN/IEC 61800-5-1
<b>Product Certifications</b>	UL cUL
<b>Marking</b>	CE
<b>Ambient air temperature for operation</b>	32...104 °F (0...40 °C) UL 32...122 °F (0...50 °C)
<b>Ambient Air Temperature for Storage</b>	-13...158 °F (-25...70 °C)
<b>Pollution degree</b>	Level 2
<b>Relative humidity</b>	5...85 % without condensation
<b>Operating altitude</b>	<= 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)
<b>Vibration resistance</b>	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
<b>IP degree of protection</b>	IP20 On upper part: IP40 (without removal of protective film)

## Ordering and shipping details

<b>Category</b>	US1PC5518285
<b>Discount Schedule</b>	PC55
<b>GTIN</b>	3389119224338
<b>Returnability</b>	No
<b>Country of origin</b>	DE

## Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	5.31 in (13.500 cm)
Package 1 Width	6.85 in (17.400 cm)
Package 1 Length	7.44 in (18.900 cm)
Package weight(Lbs)	2.738 lb(US) (1.242 kg)
Unit Type of Package 2	S04
Number of Units in Package 2	6
Package 2 Height	11.81 in (30.000 cm)
Package 2 Width	15.75 in (40.000 cm)
Package 2 Length	23.62 in (60.000 cm)
Package 2 Weight	18.378 lb(US) (8.336 kg)

## Contractual warranty

Warranty	18 months
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## 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

Carbon footprint (kg CO2 eq, Total Life cycle) 567

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic No

[EU RoHS Directive](#) Pro-active compliance (Product out of EU RoHS legal scope)

SCIP Number 19ee4950-c76c-48d9-8353-203688a9f056

REACH Regulation [REACH Declaration](#)

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](http://www.P65Warnings.ca.gov)

PVC free Yes

## Use Again

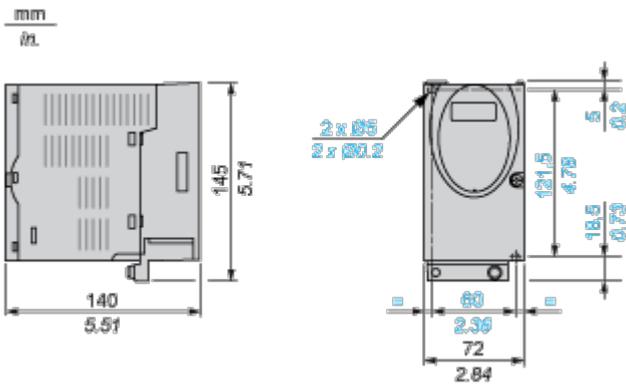
### Repack and remanufacture

Circularity Profile [End of Life Information](#)

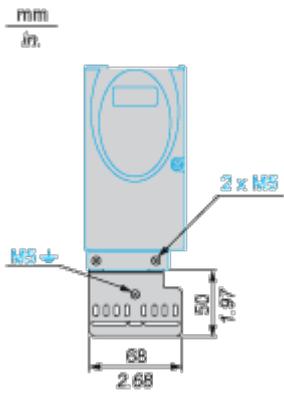
Take-back No

Dimensions Drawings

Dimensions

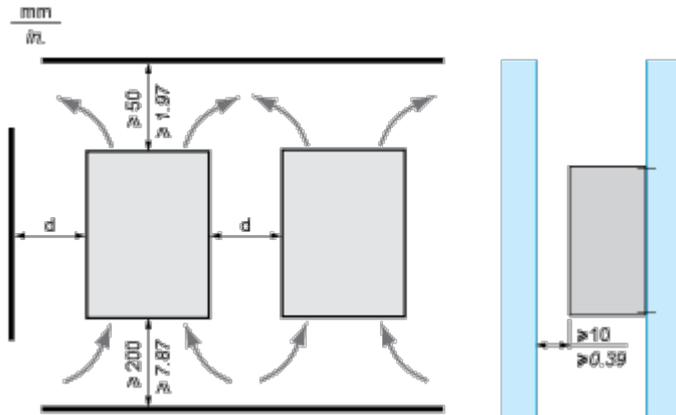


EMC mounting plate (included)



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

