

motion control stepper motor drive - SD326 - pulse/direction - <= 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	200240 V	
	100120 V	

Complementary

Format of the drive	Block	
Phase	Single phase	
[Us] rated supply voltage	100120 V - 1510 % 200230 V - 1510 %	
Supply voltage type	AC/DC	
Network frequency limits	5060 Hz - 1510 %)	
Communication interface	Pulse/direction, Integrated	
Function Available	Rotation monitoring Holding brake monitoring	
Maximum motor phase current	2.5 A	
Current consumption	<= 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	<= 5 V 24 V optocoupler input signals <= 0.5 V 5 V optocoupler input signals	
Voltage state 1 guaranteed	1530 V 24 V optocoupler input signals 2.55.25 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.

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) 4.755.25 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	Natural convection	
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	32104 °F (040 °C) UL 32122 °F (050 °C)	
Ambient Air Temperature for Storage	-13158 °F (-2570 °C)	
Pollution degree	Level 2	
Relative humidity	585 % 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= 13150 Hz) conforming to IEC 60068-2-6 1.5 mm (f= 313 Hz) conforming to IEC 60068-2-6	
IP degree of protection	tion IP20 On upper part: IP40 (without removal of protective film)	

Ordering and shipping details

Category	US1PC5518285
Discount Schedule	PC55
GTIN	3389119224338
Returnability	No
Country of origin	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



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

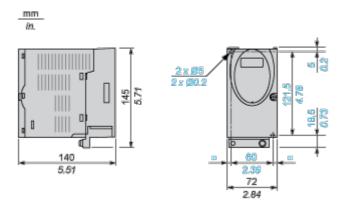
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	19ee4950-c76c-48d9-8353-203688a9f056
REACh Regulation	REACh Declaration
California proposition 65	WARNING: This product can expose 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
PVC free	Yes

Use Again

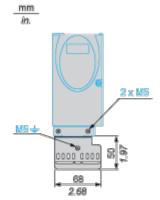
○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No

Dimensions Drawings

Dimensions

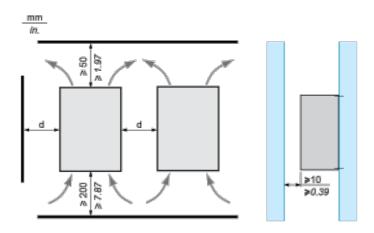


EMC mounting plate (included)



Mounting and Clearance

Mounting and Clearance



Ambient Mounting		Mounting recommendations		
temperature	distances	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

