Product data sheet

Specification





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

SD326DU68S2

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 798.00 USD

Main

| Range Of Product | Lexium SD3 | |
|---------------------------|----------------------|--|
| Product Or Component Type | Motion stepper drive | |
| Device Short Name | SD326 | |
| Supply Voltage Limits | 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 | |
| Maximum Motor Phase Current | 6.8 A | |
| 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 | 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 | |
| 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 | |

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

| Type Of Cooling | Fan |
|--------------------------|----------------------------|
| Maximum Mechanical Speed | 3000 rpm |
| Height | 5.71 in (145 mm) |
| Width | 2.83 in (72 mm) |
| Depth | 5.51 in (140 mm) |
| Shock Resistance | 15 gn 11 ms IEC 60068-2-27 |
| Net Weight | 2.65 lb(US) (1.2 kg) |

Environment

| Electromagnetic Compatibility | Electrostatic discharge level 3 IEC 61000-4-2 Immunity to electrical transients level 4 IEC 61000-4-4 Immunity to radiated radio-electrical interference level 3 IEC 61000-4-3 Voltage/current impulse level 3 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 | |
| > 3280.84 ft (1000 m) without derating > 3280.84< 6561.68 ft (> 1000< 2000 m) without derating maximum ar temperature 40°C, no protective film, lateral distance of > 50mm) | | |
| Vibration Resistance | 1 gn 13150 Hz)IEC 60068-2-6 1.5 mm 313 Hz)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 | 3389119224345 | |
| Returnability | No | |
| Country Of Origin | FR | |

Packing Units

| Unit Type Of Package 1 | PCE |
|------------------------------|------------------------|
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 6.89 in (17.500 cm) |
| Package 1 Width | 7.09 in (18.000 cm) |
| Package 1 Length | 7.87 in (20.000 cm) |
| Package 1 Weight | 2.85 lb(US) (1.292 kg) |
| Unit Type Of Package 2 | P06 |

| Number Of Units In Package 2 | 33 |
|------------------------------|---------------------------|
| Package 2 Height | 29.53 in (75.000 cm) |
| Package 2 Width | 23.62 in (60.000 cm) |
| Package 2 Length | 31.50 in (80.000 cm) |
| Package 2 Weight | 122.66 lb(US) (55.636 kg) |

Contractual warranty

Warranty 18 months

Sustainability Green Premium*

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

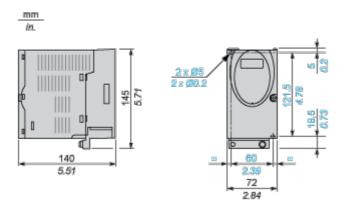
| | Mercury Free | |
|----------|----------------------------|-----|
| ② | Rohs Exemption Information | Yes |
| | Pvc Free | |

Certifications & Standards

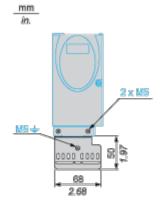
| California Proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov | |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Circularity Profile | End of Life Information | |
| Environmental Disclosure | Product Environmental Profile | |
| China Rohs Regulation | China RoHS declaration | |
| Eu Rohs Directive | Pro-active compliance (Product out of EU RoHS legal scope) | |
| Reach Regulation | REACh Declaration | |

Dimensions Drawings

Dimensions

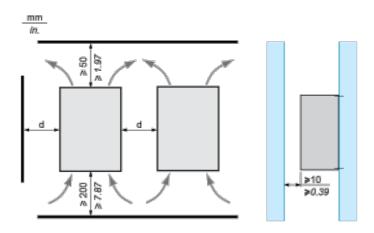


EMC mounting plate (included)



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

