Product data sheet
Characteristics

SD326RU25S2
motion control stepper motor drive - SD326 - pulse/direction - <= 2.5 A



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
Network number of phases	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	<= 0.2 mA 24 V control voltage
Nominal power	180 W at 115 V 270 W at 230 V
Short-circuit current	0.5 KA
Associated fuse rating	6 A at 115 V 6 A at 230 V
Overvoltage category	III
Inrush current	60 A
Maximum leakage current	30 MA IEC 60990-3
Voltage state 0 guaranteed	<= 5 V for 24 V optocoupler input signals <= 0.5 V for 5 V optocoupler input signals
Voltage state 1 guaranteed	15...30 V for 24 V optocoupler input signals 2.5...5.25 V for 5 V optocoupler input signals
Input current	25 MA for 5 V optocoupler input signals 7 MA for 24 V optocoupler input signals
Maximum input frequency	200 KHz for 24 V optocoupler input signals 200 KHz for 5 V optocoupler input signals 400 KHz for ENC_A/ENC_B signal input
Maximum switching voltage	30 V DC (readiness signal output)
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 for 24 V output signals <1 V 50 mA load for ENC+5V_OUT signal output <1 V 50 mA load for 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 % for 24 V control voltage
Residual ripple	<= 5 % (24 V control voltage)
Type of cooling	Natural convection
Maximum mechanical speed	3000 Rpm
Height	145 Mm
Width	72 Mm
Depth	140 Mm
Shock resistance	15 gn for 11 ms conforming to IEC 60068-2-27
Net weight	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[RETURN]cUL
Marking	CE
Ambient air temperature for operation	0…40 °C conforming to UL[RETURN]0…50 °C
Ambient air temperature for storage	-25…70 °C
Pollution degree	Level 2
Relative humidity	5…85 % without condensation
Operating altitude	<= 1000 m without derating > 1000...< 2000 m without derating (maximum ambient temperature 40°C, no protective film, later
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)

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.500 Cm
Package 1 Width	17.400 Cm
Package 1 Length	18.900 Cm
Package 1 Weight	1.242 Kg
Unit Type of Package 2	S04
Number of Units in Package 2	6
Package 2 Height	30.000 Cm
Package 2 Width	40.000 Cm
Package 2 Length	60.000 Cm
Package 2 Weight	8.336 Kg

Offer Sustainability

Recyclability potential, in %	98
Total lifecycle Carbon footprint	501 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	90.40490770092214
Carbon footprint of the manufacturing phase [A1 to A3]	90 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.43630402554178543
Carbon footprint of the distribution phase [A4]	0.4 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.47386575066981923

Carbon footprint of the installation phase [A5]	0.5 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	407.7530539415158
Carbon footprint of the use phase [B2, B3, B4, B6]	408 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	1.8663855916149454
Carbon footprint of the end-of-life phase [C1 to C4]	2 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	501
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	19ee4950-c76c-48d9-8353-203688a9f056
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, w
PVC free	Yes
End of life manual availability	End Of Life Information
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised