



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
Network number of phases	Single phase
[Us] rated supply voltage	200...230 V (- 15...10 %) 100...120 V (- 15...10 %)
Supply voltage type	AC/DC
Network frequency limits	50...60 Hz (- 15...10 %)
Communication interface	Integrated pulse/direction
Function available	Holding brake monitoring Rotation monitoring
Motor phase current	≤ 6.8 A
Current consumption	≤ 0.2 mA (24 V control voltage)
Nominal power	420 W at 230 V 280 W at 115 V
Short-circuit current	0.5 kA
Associated fuse rating	6 A at 230 V 10 A at 115 V
Overvoltage category	III
Inrush current	< 60 A
Leakage current	< 30 mA conforming to IEC 60990-3
Voltage state 0 guaranteed	≤ 0.5 V (5 V optocoupler input signals) ≤ 5 V (24 V optocoupler input signals)
Voltage state1 guaranteed	2.5...5.25 V (5 V optocoupler input signals) 15...30 V (24 V optocoupler input signals)
Input current	≤ 7 mA (24 V optocoupler input signals) ≤ 25 mA (5 V optocoupler input signals)
Input frequency	≤ 400 kHz, ENC_A/ENC_B signal input ≤ 200 kHz, 5 V optocoupler input signals ≤ 200 kHz, 24 V optocoupler input signals
Maximum switching voltage	30 V DC (readiness signal output)
Maximum switching current	1.7 mA (24 V output signals) +BRAKE_OUT 50 mA (24 V output signals) RM-FAULT_OUT 200 mA (readiness signal output)
Voltage drop	1 V, 50 mA load (readiness signal output) 1 V, 50 mA load (ENC+5V_OUT signal output) 1 V, 50 mA load (24 V output signals)
Physical interface	RS422 - ENC_A/ENC_B signal input

Output voltage	4.75...5.25 V (ENC+5V_OUT signal output) <= 30 V (24 V output signals)
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	145 mm
Width	72 mm
Depth	140 mm
Shock resistance	15 gn for 11 ms conforming to EN/IEC 60068-2-27
Product weight	1.2 kg

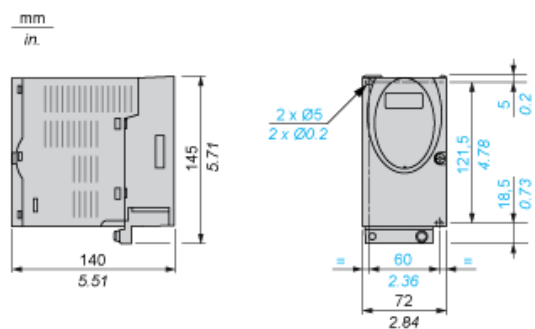
Environment

Electromagnetic compatibility	Voltage/Current impulse level 3 conforming to EN/IEC 61000-4-5 Immunity to radiated radio-electrical interference level 3 conforming to EN/IEC 61000-4-3 Immunity to electrical transients level 4 conforming to EN/IEC 61000-4-4 Electrostatic discharge level 3 conforming to EN/IEC 61000-4-2
Standards	EN/IEC 50178 EN/IEC 61800-3 EN/IEC 61800-3 environment 1 EN/IEC 61800-3 environment 2 EN/IEC 61800-5-1
Product certifications	CUL UL
Marking	CE
Ambient air temperature for operation	0...50 °C 0...40 °C conforming to UL
Ambient air temperature for storage	-25...70 °C
Pollution degree	Level 2
Relative humidity	5...85 % without condensation
Operating altitude	> 1000...< 2000 m without derating (maximum ambient temperature 40°C, no protective film, lateral distance of > 50mm) <= 1000 m without derating
Vibration resistance	1.5 mm (f = 3...13 Hz) conforming to EN/IEC 60068-2-6 1 gn (f = 13...150 Hz) conforming to EN/IEC 60068-2-6
IP degree of protection	IP40 on upper part without removal of protective film IP20

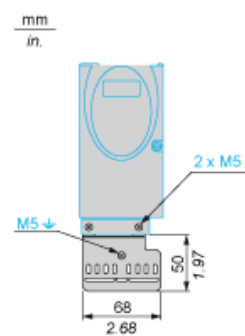
Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1014 - Schneider Electric declaration of conformity
REACH	Reference contains SVHC above the threshold - go to CaP for more details
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Available Download End Of Life Manual

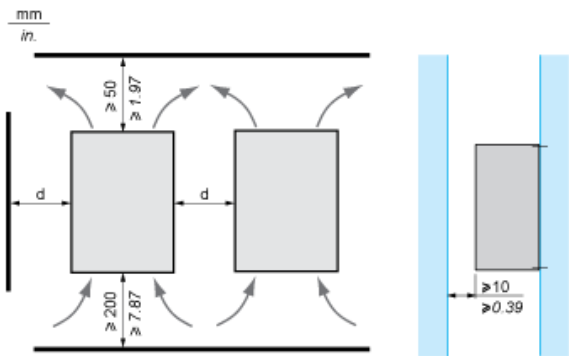
Dimensions



EMC mounting plate (included)



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.			

SD326 Connection Example

