



Main

Range of product	Lexium SD3
Product or component type	Motion stepper drive
Device short name	SD315
Supply voltage limits	19...60 V

Complementary

Format of the drive	Block
Network number of phases	Single phase
[Us] rated supply voltage	24...48 V - 15...10 %
Supply voltage type	DC
Communication interface	Pulse/direction, integrated
Maximum motor phase current	10 A
Current consumption	<= 7.5 mA
Power losses	<= 7 W
Associated fuse rating	10 A
Overvoltage category	III
Maximum leakage current	30 mA
Voltage state 0 guaranteed	<= 5 V for 24 V optocoupler input signals <= 0.4 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
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 for readiness signal output
Physical interface	RS422 - pulse/direction interface without oscillator
Residual ripple	< 5 % (24 V control voltage)
Local signalling	1 LED - ERR 1 LED - RUN
Type of cooling	Natural convection
Height	117 mm
Width	74.5 mm
Depth	23.5 mm
Shock resistance	15 gn for 11 ms conforming to EN/IEC 60068-2-27
Product weight	0.25 kg

Environment

Electromagnetic compatibility	Electrostatic discharge level 3 conforming to EN/IEC 61000-4-2 Immunity to electrical transients level 4 conforming to EN/IEC 61000-4-4 Immunity to radiated radio-electrical interference level 3 conforming to EN/IEC 61000-4-3 Voltage/current impulse level 3 conforming to EN/IEC 61000-4-5
Standards	EN/IEC 61800-3 environment 1 EN/IEC 50178 EN/IEC 61800-5-1 EN/IEC 61800-3 environment 2 EN/IEC 61800-3
Product certifications	cUL UL
Marking	CE
Ambient air temperature for operation	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, lateral distance of > 20 mm)
Vibration resistance	1 gn (f= 13...150 Hz) conforming to EN/IEC 60068-2-6 1.5 mm (f= 3...13 Hz) conforming to EN/IEC 60068-2-6
IP degree of protection	IP20

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	323 g
Package 1 Height	6.8 cm
Package 1 width	12.8 cm
Package 1 Length	18.8 cm
Unit Type of Package 2	S04
Number of Units in Package 2	36
Package 2 Weight	12.61 kg
Package 2 Height	30 cm
Package 2 width	40 cm
Package 2 Length	60 cm

Offer Sustainability

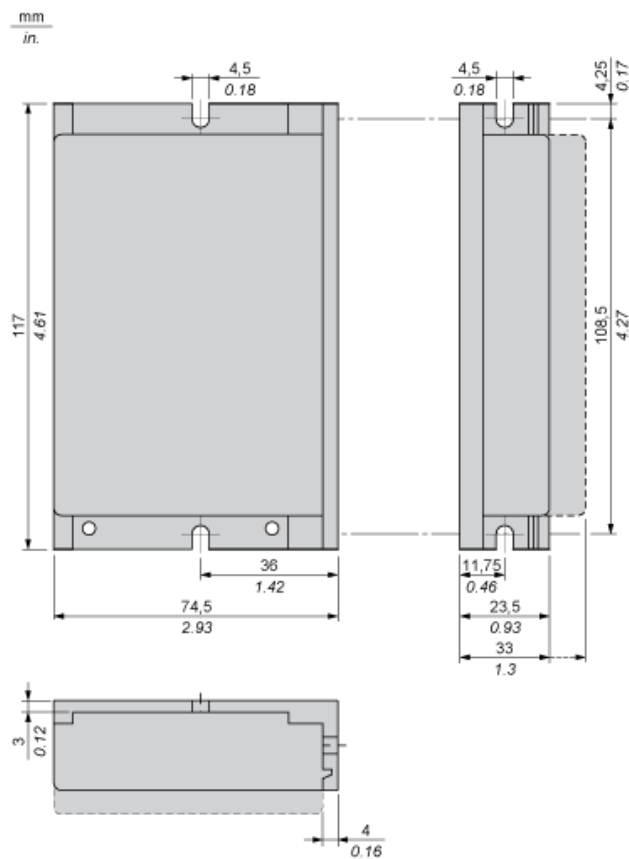
Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes

RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
PVC free	Yes
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

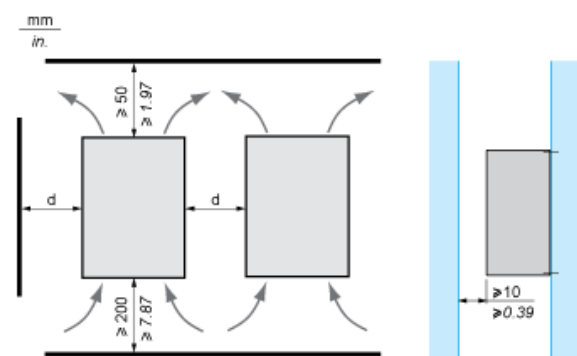
Contractual warranty

Warranty	18 months
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Dimensions

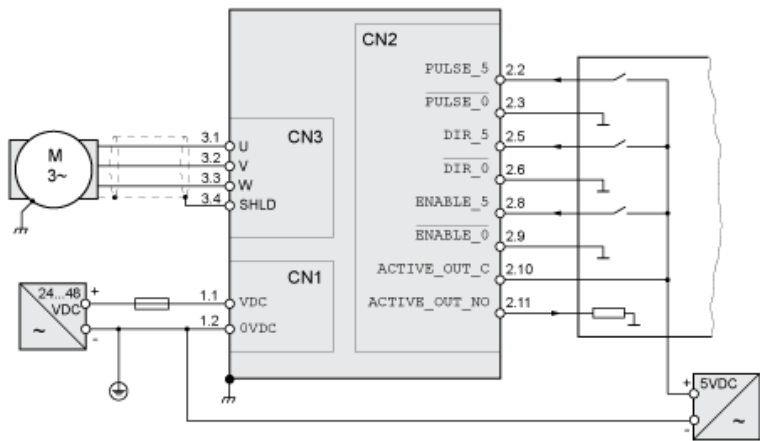


Mounting and Clearance



d : >30 mm/1.18 in.

Wiring Example with 5 V



Wiring Example with 24 V

