



Main

Range of product	Lexium SD2
Product or component type	Motion stepper drive
Device short name	SD215
Communication interface	Pulse/direction

Complementary

Network number of phases	Single phase
[Us] rated supply voltage	24...48 V
Supply voltage type	DC
Supply voltage limits	12...48 V
Maximum motor phase current	3 A
Current consumption	<= 3.2 mA
Input current	10 mA - high level for SPI interfaces -10 µA - low level for SPI interfaces
Output current	14.6 mA for step clock 8 mA - high level for SPI interfaces -7 mA - low level for SPI interfaces
Output voltage	2.1 V high level (SPI interfaces) 0.5 V low level (SPI interfaces) 5...24 V high level (isolated inputs: step clock, direction, enable) 8.7 V low level (isolated inputs: step clock, direction, enable)
Input voltage	2 V - high level for SPI interfaces signal inputs 1.2 V - low level for SPI interfaces signal inputs
Residual ripple	2 V at nominal voltage
Electrical connection	1 connector wire crimp 12 pins for supply voltage multifunction and communication interface 1 connector wire crimp 4 pins for motor interface
Type of cooling	Conduction Convection
Width	45 mm
Height	33 mm
Depth	59 mm
Marking	CE
Net weight	0.08 kg

Environment

Electromagnetic compatibility	Electrostatic discharge conforming to IEC 61000-4-2 Immunity to radiated radio-electrical interference conforming to IEC 61000-4-3 Immunity to electrical transients conforming to IEC 61000-4-4 Voltage/Current impulse conforming to IEC 61000-4-5 Immunity to voltage dips conforming to IEC 61000-4-11 Immunity to conducted RF disturbances conforming to IEC 61000-4-6
Standards	IEC 61000-3-2 EN 55011 group 1 class A EN 61000-3-3
Ambient air temperature for operation	0...50 °C without derating with flange motor mounted on a steel plate 300 x 300 x 10 mm 50...65 °C with power derating of 2.2 % per °C with flange motor mounted on a steel plate 300 x 300 x 10 mm
Ambient air temperature for storage	-25...70 °C
Relative humidity	15...85 % without condensation
Operating altitude	<= 1000 m without derating
IP degree of protection	IP20

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.5 cm
Package 1 Width	13.3 cm
Package 1 Length	19.8 cm
Package 1 Weight	204.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	2.364 kg

Offer Sustainability

REACH Regulation	 REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
PVC free	Yes

Contractual warranty

Warranty	18 months
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Dimensions

