



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
Motor phase current	<= 5 A
Current consumption	<= 4 mA
Input current	10 µA - 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 1 connector wire crimp 4 pins for motor interface 1 connector wire crimp 12 pins for multifunction and communication interface 1 connector wire crimp 2 pins for supply voltage
Type of cooling	Convection
Width	76 mm
Height	54 mm
Depth	99 mm
Marking	CE
Product weight	0.34 kg

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Environment

Electromagnetic compatibility	Electrostatic discharge conforming to EN/IEC 61000-4-2 Immunity to radiated radio-electrical interference conforming to EN/IEC 61000-4-3 Immunity to electrical transients conforming to EN/IEC 61000-4-4 Voltage/Current impulse conforming to EN/IEC 61000-4-5 Immunity to voltage dips conforming to EN/IEC 61000-4-11 Immunity to conducted RF disturbances conforming to EN/IEC 61000-4-6
Standards	EN 55011 group 1 class A EN 61000-3-2 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

Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 1401 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold

Contractual warranty

Warranty period	18 months
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Dimensions

