



Main

Range of product	Lexium SD2
Product or component type	Motion stepper drive
Device short name	SD218
Communication interface	RS485

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
Voltage state 0 guaranteed	0...0.8 V for general purpose I/O defined as inputs
Voltage state 1 guaranteed	2.2...24 V
Input current	1.75 mA - high level for general purpose I/O defined as inputs
Output current	600 mA - single channel, duty cycle = 0.8 for general purpose I/O defined as outputs 275 mA - four channels, continuous for general purpose I/O defined as outputs
Input voltage	0...24 V for general purpose I/O defined as inputs 0...24 V for general purpose I/O defined as outputs
Residual ripple	2 V at nominal voltage
Electrical connection	1 connector wire crimp 4 pins for motor interface 1 connector wire crimp 16 pins for supply voltage and multifunction interface 1 connector wire crimp 10 pins for communication interface
Transmission rate	4.8, 9.6, 19.2, 38.4, 115 kbauds
Type of cooling	Convection Conduction
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 61000-3-3 EN 55011 group 1 class A
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	8.3 cm
Package 1 Width	13.4 cm
Package 1 Length	19.7 cm
Package 1 Weight	244.0 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	2.665 kg

Offer Sustainability

REACH Regulation	 REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Not applicable, out of EU RoHS legal scope
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
PVC free	Yes

Contractual warranty

Warranty	18 months
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Dimensions

mm
in.

