



## Main

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

## 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 inputs<br>275 mA - four channels, continuous for general purpose I/O defined as inputs                      |
| Input voltage               | 0...24 V for general purpose I/O defined as inputs                                                                                                                                       |
| Residual ripple             | 2 V at nominal voltage                                                                                                                                                                   |
| Electrical connection       | 1 connector wire crimp 4 pins for motor interface<br>1 connector wire crimp 16 pins for supply voltage and multifunction interface<br>1 connector DB9 for fieldbus for CANopen interface |
| Transmission rate           | 10, 20, 50, 100, 125, 250, 800, 1000 kbauds                                                                                                                                              |
| Type of cooling             | Conduction<br>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<br>Immunity to radiated radio-electrical interference conforming to IEC 61000-4-3<br>Immunity to electrical transients conforming to IEC 61000-4-4<br>Voltage/Current impulse conforming to IEC 61000-4-5<br>Immunity to voltage dips conforming to IEC 61000-4-11<br>Immunity to conducted RF disturbances conforming to IEC 61000-4-6 |
| Standards                             | EN 55011 group 1 class A<br>EN 61000-3-3<br>IEC 61000-3-2                                                                                                                                                                                                                                                                                                                                   |
| Ambient air temperature for operation | 0...50 °C without derating with flange motor mounted on a steel plate 300 x 300 x 10 mm<br>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             | 8.2 cm   |
| Package 1 Width              | 13.5 cm  |
| Package 1 Length             | 20.5 cm  |
| Package 1 Weight             | 228.0 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             | 2.314 kg |

## Offer Sustainability

|                            |                                                                                                                            |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------|
| REACH Regulation           |  <a href="#">REACH Declaration</a>      |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)                                                                 |
| Mercury free               | Yes                                                                                                                        |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a> |
| RoHS exemption information |  Yes                                    |
| PVC free                   | Yes                                                                                                                        |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Dimensions

mm  
in.

