

# Linear motor controller for DLM - DSM positioning system



## Linear Encoder LE100

Non-contact sensor unit with integrated analog signal output (sinus 1 V<sub>ss</sub>).

Forming an open linear measuring system if combined with magnetic strip and downstream interpolation electronics.

### Features:

- + easy mounting
- + insensitive to dust, shavings, humidity
- + signal period 1000 µm (analog)
- + output signals 1 V<sub>ss</sub> nominal
- + real-time data processing
- + used in combination with magnetic strip MB100

### Specifications:

- |                                 |   |
|---------------------------------|---|
| + Supply voltage                | 12-24 V DC +/- 20% / 5V<br>optional 5 V DC +/- 5% |
| + Power consumption             | approx. 30 mA non-loaded                          |
| + Protection                    | reverse battery protection                        |
| + Connection                    | flying leads                                      |
| + Material of casing            | plastic   |
| + Output circuit                | line driver                                       |
| + Output signals                | sinusA, B, phase-shifted by 90°                   |
| + Output current                | I out max. 5 mA per signal path                   |
| + Signal size                   | approx. 1 V <sub>ss</sub>                         |
| + Travel speed                  | max. 5m/s   |
| + System accuracy               | depending on interpolation<br>electronics         |
| + Gap strip/sensor              | 0,1 - 0,4 mm (without cover strip)                |
| + Working temperature           | 0...+50 °C  |
| + Storage temperature           | -20...+85°C                                       |
| + Interference protection class | 3, accord. to ICE 801                             |
| + Test mark                     | CE  |
| + System of protection          | IP 67 accord. to DIN VDE 0470                     |

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Possible mounting styles

