

# weighing BC-ELA.LMS

The BC-ELA.LMS weighing device is a part of the BC-NELA lift control system and is designed for weighing load in the lift cage. The device consists of a control unit and sensors. The control unit reads the load values from the individual sensors, pre-processes them and sends them to the control system through a proprietary BSH protocol on the RS485 line. The control system weighs/tares the cage weight and sets the lift load capacity. The internal load values for fully loaded and overloaded cage are set automatically based on the load capacity or can be set independently. For diagnostic service purposes, the lift control system can display the load on individual sensors. In the case of six and eight sensors, two control units are required and need be interconnected.

#### Possible variants:

- o BC-ELA.LMS.2 two sensors
- BC-ELA.LMS.4 four sensors
- BC-ELA.LMS.6 six sensors
- BC-ELA.LMS.8 eight sensors

#### Weighing unit:

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### Power supply:

+12 V - 24 V

#### **Electronic connection:**

the control unit is powered from the lift bus and then the lift bus passes the data further

#### Number of sensors:

1, 2, 3, 4, 6, 8

# Communication with the weighing unit:

RS485

## Maximum load:

4 t (4 sensors)

# Maximum cable length to sensor:

9 m

#### Sensor supply fuse:

T 400 mA

#### Dimensions of the control unit:

160 x 110 x 77 mm

# **Sensor dimensions:**

190 x 46 x 48 mm

#### Technical parameters:

- maximum load of 4 t (with four sensors)
- power supply of 12 V or 24 V from the lift bus
- reading values from the sensors after 200 msec
- sending data to the control system when a change greater than 5 kg occurs



