

ELEVATE™

Data sheet



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ELEVATE is our electric lifting column for cobot palletisers, which extends the vertical reach of your cobot. ELEVATE uses our powerful LC3 IC.

ELEVATE is easy to install and compatible with a wide range of cobot models and brands.

Different interfaces offer the level of control and feedback required by a specific task, and with a brushless motor and an integrated controller, ELEVATE provides high position accuracy.



General Properties

- Speed: up to 100 mm/s independent of load
- Payload: up to 1,000 N
- Stroke: up to 1,100 mm
- Bending moment - static: 3,000 Nm (allowed bending moment between cobot and column, while the column is not moving)
- Bending moment - dynamic: 1,400 Nm (allowed bending moment between cobot and column, while the column is running in or out)
- Position accuracy along the driven axis: +/- 1.5 mm
- Position repeatability: +/- 1.5 mm
- Noise level: 58 dB(A)
- Weight: 29 kg for 900 mm stroke
- Dimensions [L x W x H]: 163 mm x 163 mm x 730 mm (depending on stroke)
- Duty cycle: 20% (4 min. continuous use followed by 16 min. not in use)
- Operating temperature: from +5 to +40°C
- Protection class: IP4X
- Power supply DC: 24 V
- Current consumption: 6-21 A

Interfaces

- Digital and analogue I/O
- Modbus TCP/IP

Compatibility

- Universal Robots with URCap
- Doosan
- Omron with ELEVATE components for TMFlow
- Techman with ELEVATE components for TMFlow
- Kassow Robots with ELEVATE Cbun
- MyRobot.cloud to simulate the palletising solution

For other options, contact LINAK® sales

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