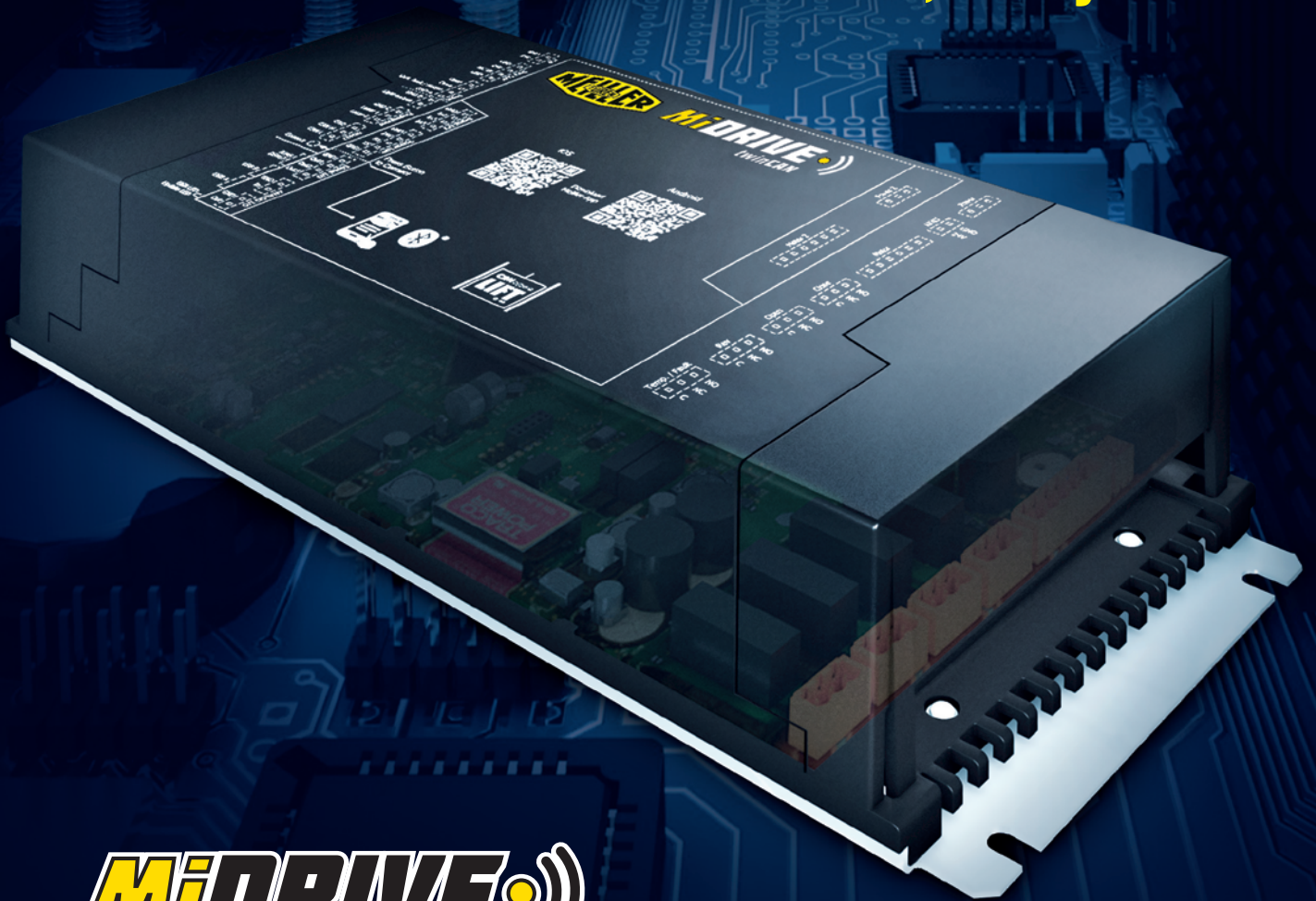


Can lift doors be intelligent?



Yes, they can!



MiDRIVE 
twinCAN

MEILLER intelligent DRIVE

MEILLER Aufzugtüren GmbH

The Premium Class Company

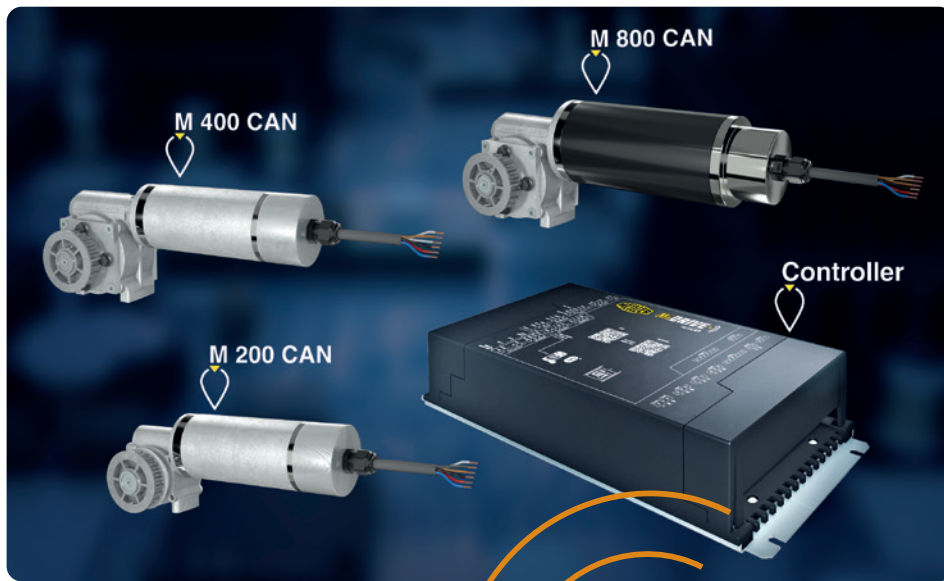
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MEILLER INTELLIGENT DRIVE

New, Intelligent Door Concept for Lifts

MiDRIVE®

With the development of the MiDrive intelligent door concept, MEILLER is setting new standards for the digital future of lift doors - integrated within an interconnected lift system environment.



A lift door's intelligence is essentially rooted in the door controller, and so it was here that the development of the new MiDrive (Meiller intelligent Drive) concept was centred.

The system's central components comprise the controller, of which there are two variations, and the various motor versions and constructions controlled by it. The controller offers a series of innovative features, such as the standard CANopen interface, the facility for optically coupling two controllers (master/slave operation) and a servo mode, which supports the manual opening of heavy doors in the event of an emergency door release – just some of the benefits that already make this new drive concept unique even in its first stage of development.

To enable preventive maintenance, the system also provides for the storage and evaluation of data regarding door status. Moreover, the two standard energy-saving modes, ECO and ECO-Plus, make their own contribution to environmental protection.

The use of a mobile phone app makes an easy matter of the door commissioning process. It involves the use of predefined QR codes to configure the door

on site, in accordance with the product and order. In addition, special QR codes allow service technicians to respond quickly and easily in the event of any problems. Error codes are displayed in clear text form on the smartphone screen, enabling uncomplicated fault analysis at any time.

The smartphone app even enables the easy download of software updates.

Features:

- One controller (in two variations) and one transformer for all motor configurations
- Powerful drives that employ the latest motor technology (200 kg, 400 kg, 800 kg)
- Brushless, frequency-controlled EC motors and DC motors
- Motor protection class IP 54 as standard, special-purpose models (e.g. IP 67, ex-protected) available optionally
- Door controller protection class IP 20 as standard (IP 54 available optionally)
- CANopen interface as standard
- A single controller can be used to couple two motors to a door
- Optical coupling of two drive units (e.g. landing and car doors) possible (in master/slave configuration)
- Energy-saving modes ECO (motor is switched off) and ECOplus (both motor and controller are switched off) as standard
- Energy consumption regulated by sophisticated energy management
- Interlock controlled electrically without separate power supply
- Demonstrable increase in motor efficiency thanks to modern process architecture and optimised motor running
- Prepared for MEILLER FingerGuard® safety system (finger trapping protection for children) as standard
- Standard servo mode to support opening and closing of large and heavy doors in the event of an emergency door release
- Condition monitoring: Lifetime data is logged to provide information regarding door condition
- Fast and easy commissioning using a smartphone app: perfectly coordinated drive parameters obtained by scanning QR codes
- App available for Android and IOS
- Secure controller connection via Bluetooth
- Travel profile can be individually adjusted using the app
- Error codes displayed in clear text form on the smartphone screen
- Easy updating of controller software using the app
- Latest installation instructions can be downloaded with the app and are then available offline
- Easy identification of defective door components and immediate ordering of spare parts online using the app