

SIDOOR - Automatic door controls for elevators

Service at every level

SIDOOR door control systems for elevators are suitable for every door system, are fast and easy to install with single-button commissioning and are very maintenance-friendly. Thanks to the easily accessible data analysis that is possible via CANopen, you always know the condition of the elevator doors and when they require maintenance. Via the CAN interface at the SIDOOR AT40 CAN and the CANopen CiA 417 Lift application profile, you can use your own tools to read out the relevant door control data at the virtual terminal. In conjunction with the main controller, this can be broken down by floors across the building using a web server and WLAN.

To manage multiple locations, the elevator control allows service parameters and door status messages to be transmitted to MindSphere (the cloud-based, open IoT operating system from Siemens) and evaluated worldwide. The data evaluation is not limited to the door control system and is even possible for components of all manufacturers via the main control system with corresponding interface. The MindApp FleetManager enables condition-based maintenance.

- Single-button operation for the entire commissioning process
- Energy-optimized operation of the cage
- Automatic motor detection for high system flexibility
- High degree of operational safety thanks to protective motor design
- Reliability, ruggedness, and precision for minimal maintenance and repair outlay
- Protection of electronics against the improper application of force to the door
- Manufacturer-independent plug and play through the CANopen CiA 417 Lift application Profile
- Centralized and decentralized data analysis via the connected elevator control e.g. their web server or connection to MindSphere
- Access from another CAN station with the "Virtual Terminal" function through parameterization and visualization on the SIDOOR terminal module
- Condition-based maintenance thanks to the elevator control being linked to MindSphere and the MindApp FleetManager

Technical data AT40 CAN

Maximum door mass to be moved	600 kg (depending on Motor)
Door opening width	0,3 to 5 m
Maximum counterweight	4 to 8 kg (depending on motor)
Supported DC-Geared motors	SIDOOR M2 L/R (IP20/IP20 up to 120 kg) SIDOOR M3 L/R (IP40/IP54 up to 180 kg) SIDOOR M4 L/R (IP40/IP54 up to 400 kg) SIDOOR M5 L/R (IP54/IP54 up to 600 kg)
Supported power supplies	SIDOOR TRANSFORMER SIDOOR NT40
Interfaces	RS 485 USB via USB adapter (optional)
Ambient temperature during operation	-20 °C to 50 °C
Protection Rating	IP20
Dimension (W x H x D)	320 x 60 x 80 mm
Controller Accessories	SIDOOR SOFTWARE KIT SIDOOR SERVICE TOOL
Motor Accessories	SIDOOR mounting bracket, SIDOOR rubber-metal anti-vibration mount, SIDOOR toothed belt, SIDOOR door clutch holder...

Contact

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Siemens AG
Breslauer Str. 5
DE-90766 Fuerth

Email: contact@siemens.com

Web: <http://www.siemens.com/SIDOOR>

Configuration and ordering - TIA selection tool

Create your SIDOOR project quickly and with guidance. All current SIDOOR products can be configured in the right dependency. Every possible selection is explained and illustrated with product pictures.

Download: [TIA Selection Tool - standalone](#)

Local contacts worldwide

At your service locally, around the globe: for consulting, sales, training, service, support, spare parts... on the entire range. Your personal contact can be found by our [our team](#).

Technical support

Whatever the project, you can Contact the Technical Support 24/7 via [Support Request](#).

Features

NMT	NMT slave
Error control	Node guarding

	Life guarding Heartbeat producer Heartbeat consumer
Boot-up	Yes
Node ID range	From 1 to 127
Node ID	Hardware switch Proprietary
CANopen bit-rates	10 kbit/s 20 kbit/s 50 kbit/s 125 kbit/s 250 kbit/s 500 kbit/s 800 kbit/s 1 000 kbit/s
Type of bit-rate adjustment	Hardware switch Proprietary
RPDOs	2
TPDOs	7
PDO modes	Event-triggered
PDO linking	No
PDO mapping	Static
SDO server	1
SDO client	1
Emergency producer	Yes
Emergency consumer	No
Sync producer	No
Sync counter	No
Time stamp	No
Additional functions	-
CANopen version	CiA 301 V 4.2
Frameworks	-
Device profiles	CiA 417: CANopen application profile for lift control systems
Certified	Tested with CCT v3.0.3.8 Certificate #: CiA201806-301V42/303-0225
Availability	In stock

