

武汉西门子授权一级代理商CPU供应商

产品名称	武汉西门子授权一级代理商CPU供应商
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SIDOOR AT40 elevator door drive

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概述

SIDOOR AT40 elevator door drive (relay module version)

SIDOOR AT40 – SIDOOR enables the quick, easy and versatile installation, configuration and operation of a wide range of elevator door systems.

Version:

RELAY (including relay and terminal module)

CAN (including CAN and terminal module), two controllers are available: SIDOOR AT40 CAN and CAN ADV.

Certified by CiA (CiA 301 / CiA 417).

The door system can be visualized and parameterized by the elevator controller using the "Virtual Terminal" function.

With the SIDOOR AT40 CAN ADV controller, parameters for evaluating mechanical wear can be provided at the door. These parameters can be accessed from the CAN-BUS via the elevator controller or other bus nodes and can be evaluated floor-dependently by an external evaluation logic. It includes, e.g. event counters, maximum current values in the slow end distance of the door, traversing times and energy values of the opening and closing cycles, as well as other performance values.

The evaluation can affect the maintenance cycles of the elevator system.

For dynamic door weights up to 600 kg, depending on motor variant

Automatic door weight detection

4 to 8 kg maximum counterweight (depending on motor version)

Operating temperature -20 to +50 ° C

Flexible motor management (four different motor types), automatic detection

Opening width 0.3 to 5 m

Auxiliary power output 24 V DC \pm 15 %; 0.4 A (short-circuit-proof)

Output stage short-circuit-proof

Supports power-optimized operation in the elevator cabin

Vandal-proof

IP54 degree of protection for 180 to 600 kg motor versions, gear unit IP40 (SIDOOR M5: entirely IP54)

The current operating states are indicated via a 7-segment display or a terminal module directly in the elevator door drive or externally. The SIDOOR SOFTWARE KIT, the SIDOOR SERVICE TOOL or the SIDOOR LINK with the SIDOOR SUPPORT App are used for this, see Additional units.

优势

1-button operation for the entire commissioning process

Optimum and stable drive characteristics

Reduced service requirements and costs

SIDOOR User Software (part of the Software Kit, not included in the scope of supply, see "Additional units") enables user-friendly operation and detailed diagnostics.

Provision of maintenance data via CANopen with the SIDOOR AT40 CAN ADV controller.

Small footprint thanks to compact design

Automated functions for enhanced safety

应用

The comfort SIDOOR AT40 elevator door drive is an intelligent door control system which enables the opening and closing of cabin and shaft doors at adjustable speeds and accelerations.

The maintenance-free, variable speed drive unit comprises a DC motor with non-self-locking gearing.

Four different motors are available:

SIDOOR M2 geared motor (24 V DC/1.8 A; motor for max. total door leaf weight of 120 kg)

SIDOOR M3 geared motor (30 V DC/4.0 A; motor for max. total door leaf weight of 180 kg)

SIDOOR M4 geared motor (30 V DC/4.0 A; motor for max. total door leaf weight of 400 kg)

SIDOOR M5 geared motor (30 V DC/7.5 A; motor for max. overall door leaf weight of 600 kg)

They must be ordered separately, see "Geared motors".

Operation of the door drive does not require a limit switch. The door width and the "OPEN"/"CLOSE" positions are determined automatically.

The current operating states are indicated by a 7Segment display directly in the SIDOOR AT40 elevator door drive. Furthermore, they can be displayed externally using the SIDOOR SOFTWARE KIT, the SIDOOR SERVICE TOOL or the SIDOOR LINK with the SIDOOR SUPPORT App, see "Additional units".

Power transmission is via a toothed belt, which passes over a deflector unit and can be fitted with two door clutch holders. The accessory parts are not included in the scope of supply, see "Accessories".

This enables handling of both one-sided and centrally opening doors.

设计 The SIDOOR AT40 Elevator Door Drive system consists of a number of components:

Version

Type

See

Controller

SIDOOR AT40 elevator door drive The versions with RELAY or CAN also include a terminal module.

RELAY

6FB1111-0AT10-3AT2

CAN

6FB1111-1AT10-3AT3

CAN with ADV

6FB1111-1AT11-3AT3

The following individual components must be ordered separately:

Power supplies

"Power supplies"

SIDOOR TRANSFORMER grid transformer

6FB1112-0AT20-2TR0

SIDOOR TRANSFORMER UL grid transformer

6FB1112-0AT21-2TR0

SIDOOR NT40 switch mode power supply

6FB1112-0AT20-3PS0

Additional units that enable universal implementation and maintenance of the door drive system

"Additional units"

SIDOOR SOFTWARE KIT

6FB1105-0AT01-6SW0

SIDOOR SERVICE TOOL

6FB1105-0AT01-6ST0

SIDOOR LINK (access to the command devices via the SIDOOR SUPPORT App)

6FB1305-0AT00-0AS4

DC geared motors

"Geared motors"

SIDOOR M2 geared motors (max. door weight 120 kg)

SIDOOR M2 L (pinion left)

6FB1103-0AT10-5MA0

SIDOOR M2 R (pinion right)

6FB1103-0AT11-5MA0

SIDOOR M3 geared motors (max. door weight 180 kg)

SIDOOR M3 L (pinion left)

6FB1103-0AT10-4MB0

SIDOOR M3 R (pinion right)

6FB1103-0AT11-4MB0

SIDOOR M4 geared motors (max. door weight 400 kg)

SIDOOR M4 L (pinion left)

6FB1103-0AT10-3MC0

SIDOOR M4 R (pinion right)

6FB1103-0AT11-3MC0

SIDOOR M5 geared motors (max. door weight 600 kg)

SIDOOR M5 L (pinion left)

6FB1103-0AT10-3MD0

SIDOOR M5 R (pinion right)

6FB1103-0AT11-3MD0

Accessories for the complete systemsee also overview diagram "For elevators"

"Accessories"

Rubber-metal anti-vibration mounts for low-noise operation of the door drive system

for geared motors with a door weight of less than 300 kg

6FB1104-0AT02-0AD0

for geared motors with a door weight of 300 kg or more

6FB1104-0AT01-0AD0

Mounting bracket

for mounting the SIDOOR rubber-metal anti-vibration mount with a mounted geared motor

6FB1104-0AT01-0AS0

with tensioning device for mounting the deflector unit and setting the toothed belt to the required tension

6FB1104-0AT02-0AS0

Door clutch holder for attaching both ends of the toothed belt, and for connecting the respective door panel to the toothed belt

6FB1104-0AT01-0CP0

for toothed belt width of 12 mm

for toothed belt width of 14 mm

6FB1104-0AT02-0CP0

Deflector pulley for the toothed belt STS, for attaching to the door system

6FB1104-0AT04-0AS2

Deflector unit for toothed belt STS

6FB1104-0AT03-0AS0

Toothed belt STS as a connection between the door system and the end positions of the door

Toothed belt width 12 mm Length 4 m Length 45 m

6FB1104-0AT01-0AB0 6FB1104-0AT02-0AB0

Toothed belt width 14 mm Length 4 m Length 55 m

6FB1104-0AT03-0AB0 6FB1104-0AT04-0AB0

组态

During initial commissioning, please note the following:

For mechanical installation and configuration, see

"SIDOOR AT40, ATD400V" System Manual, <https://support.industry.siemens.com/cs/ww/en/view/109753387>

"Manufacturer-specific CANopen objects"

manual , <https://support.industry.siemens.com/cs/ww/en/view/58992020>

Electrical configuration and commissioning:

Push the door into the "CLOSED" position.

Open the device cover

Plug in the motor connector

Connect NT40 switch mode power supply or grid transformer to 230 V AC mains supply

Press and hold the learn run button

Connect NT40 switch mode power supply output or grid transformer to the input of the SIDOOR AT40 elevator door drive.

The learn run starts automatically and the learn run button can be released.

On completion of the learn run, the door is in the "CLOSED" position and the 7-segment display indicates "u".

The door can now be moved via the "OPEN" and "CLOSE" buttons with the default profile.

编程

The Software Kit is available as a separate unit(see "Additional units"); it facilitates user-friendly parameter settings and oscilloscope functions via the SIDOOR User Software (part of the Software Kit).

This allows quick and easy updating of the firmware using the Siemens HCS12 Firmware Loader.

浔之漫智控技术上海有限公司

具备以下产品优势，西门子可编程控制器，西门子触摸屏，西门子工业以太网，

西门子数控系统，西门子高低压变频器，西门子电机驱动等等。

浔之漫智控技术上海有限公司出售西门子S7-200PLC，西门子S7-400PLC，西门子S7-300PLC，LOGO！逻辑模块，西门子

ET200I/O模块, 西门子S7-1200PLC, 西门子电机, 西门子低压电机, 伺服电机, 主轴电机, 直线电机, 扭矩电机, 直流电机,

西门子工业以太网, 西门子光纤电缆, 工业交换机, 通讯网卡,

西门子网络通讯设备, 网络模块, 西门子总线电缆, 紫色双芯电缆绿色4芯电缆, 蓝色双芯电缆, 西门子总线接头, 西门子驱动

系统, 伺服驱动, 模块驱动, 电源模块, 西门子触摸屏, Smart1000Micro
面板文本面板多功能面板, Smart700触摸屏

OP 73触摸屏, 其他触摸屏面板, 西门子变频器MM420变频器, MM430变频器, MM440变频器,

G120变频器G110变频器系列, 工程变频器, 西门子工程逆变器, 西门子直流调速器, 其他变频器及备件, 西门子数控系统

及备件,

NCU主板, CCU控制主板, 西门子数控系统, 西门子PCU50, 控制单元操作面板, 手持单元, 西门子软件, 西门子低压产品,

西门子工控机等

西门子PLC模块-西门子PLC主机-西门子PLC控制器-西门子PLCS7200-西门子PLCS7-300-西门子plcs7-400-

西门子PLCS71200-西门子PLCS71500

西门子PLC扩展模块-西门子PLC通讯模块-西门子PLC定位模块-西门子PLC数字量模块

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