SIEMENS

Data sheet 6FB1111-0AT10-3AT2

SIDOOR AT40 relay Control device for elevator doors, horizontal, up to 600 kg door weight, 36 V DC, 1*RS 485, 4*DI, 3*relay, 1*24 V DC out, -20 to +50 °C



General information	
Product type designation	AT40 RELAY
Manufacturer's article no. of the usable motor	6FB1103-0AT10-5MA0, 6FB1103-0AT11-5MA0, 6FB1103-0AT10-4MB0, 6FB1103-0AT11-4MB0, 6FB1103-0AT10-3MC0, 6FB1103-0AT11-3MC0, 6FB1103-0AT10-3MD0, 6FB1103-0AT11-3MD0
Manufacturer's article no. of the usable power supply unit	6FB1112-0AT20-2TR0, 6FB1112-0AT21-2TR0, 6FB1112-0AT20-3PS0
Supply voltage	
Design of the power supply	via SIDOOR TRANSFORMER / NT40
Input current	
Current consumption, max.	10 A
I²t, min.	30 A²·s
Encoder supply	
Output voltage (DC)	24 V; Ensure correct polarity! CAUTION: Do not supply with external voltage!
short-circuit proof	Yes
24 V encoder supply	
● Output current, max.	400 mA
Power	
Active power input	80 W
Active power input, max.	540 W
Active power input (standby mode)	5 W
Digital inputs	
Control inputs isolated	Yes
Control inputs p-switching	Yes
Input voltage	
● for signal "0", min.	-3 V
● for signal "0", max.	5 V
● for signal "1", min.	10 V
● for signal "1", max.	28 V
Input current	
● for signal "0", max. (permissible quiescent current)	0.5 mA
● for signal "1", min.	9 mA
● for signal "1", max.	27 mA
Digital outputs	
Relay outputs	
Switching capacity of contacts	
— at 30 V DC, min.	0.01 A
— at 30 V DC, max.	1 A
— at 50 V DC, min.	0.01 A; Switching voltage 50 V DC
— at 50 V DC, max.	1 A; Switching voltage 50 V DC

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— at 230 V AC, min.	0.01 A
— at 230 V AC, max.	1 A
Mechanical data	
Opening width of door, min.	0.3 m
Opening width of door, max.	5 m
Weight of door, max.	600 kg
Operating cycle frequency of door, max.	180 1/h
Counterforce, max.	80 N
Kinetic energy, max.	100 J
Counterweight	
● with SIDOOR M2 geared motor, max.	4 kg
● with SIDOOR M3 geared motor, max.	6 kg
● with SIDOOR M4 geared motor, max.	8 kg
● with SIDOOR M5 geared motor, max.	8 kg
Interfaces	
Interfaces/bus type	without
Isolation	
Overvoltage category	2
Degree of pollution	2
Degree and class of protection	
IP degree of protection	IP20
Standards, approvals, certificates	
Certificate of suitability according to EN 81	Yes
CE mark	Yes
UL approval	No
EAC (formerly Gost-R)	Yes
TÜV Inspectorate approval	Yes
TÜV prototype tested	Yes
China RoHS compliance	Yes
Standard for EMC	EN 12015 / EN 12016
Standard for safety	EN 61010-1 / EN 61010-2-201 / EN 81-20
Ambient conditions	
Ambient temperature during operation	
● min.	-20 °C
● max.	50 °C
Ambient temperature during storage/transportation	
● Storage, min.	-40 °C
● Storage, max.	50 °C
Altitude during operation relating to sea level	
● Installation altitude above sea level, max.	2 000 m
Relative humidity	
● No condensation, min.	10 %
● No condensation, max.	93 %
Dimensions	
Width	320 mm
Height	60 mm
Depth	80 mm

Classifications

	Version	Classification
eClass	16	27-02-27-11
eClass	14	27-02-27-11
eClass	12	27-02-27-11
ETIM	10	EC002987
ETIM	9	EC002987
ETIM	8	EC002987
ETIM	7	EC002987
IDEA	4	4776

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	UNSPSC	15	39-12-15-52

Approvals / Certificates

General Product Approval				EMV	other
UKCA	CE EG-Konf.	TUEV	China RoHS	RCM	Confirmation

last modified: 5/7/2025

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