SIEMENS

Data sheet 6FB1211-5GA10-7AT2

	****spare part**** GAL ATE500E relay control device for elevator doors, horizontal, up to 300 kg door weight, 36 V DC, 1*RS485, 4*DI, 3*relay, 1*24 V DC out, -25 - +50 °C
General information	
Product type designation	ATE500E RELAY
Optional product expansion	SIDOOR TRANSFORMER UL
Manufacturer's article no. of the usable motor	6FB1203-0AT12-7DA1
Manufacturer's article no. of the usable power supply unit	6FB1112-0AT21-2TR0
Mean time between failures (MTBF)	19 a
Installation type/mounting	
Installation and mounting instructions	no direct solar radiation, final application-specific requirements must be observed; installation outside a control cabinet only in horizontal mounting position NFPA elevator environment: must be installed in a fire protection enclosure
Supply voltage	
Design of the power supply	Via SIDOOR TRANSFORMER UL or via DC
Rated value (DC)	36 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	38 V
Protection in case of DC supply	Use of a circuit breaker in the supply path according to 60898-1, 8A, C-characteristic type SIEMENS: 5SY4108-7 or 5SY4108-7KK11
Encoder supply	
Output voltage (DC)	24 V; Ensure correct polarity! CAUTION: Do not supply with external voltage!
short-circuit proof	Yes
Overload-proof	Yes
24 V encoder supply	
● Output current, max.	400 mA
Power	
Active power input	85 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.	3 mA
● for signal "1", max.	15 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; 50 V DC switching voltage not released for NFPA-relevant countries
— at 50 V DC, max.	1 A; 50 V DC switching voltage not released for NFPA-relevant countries
— at 230 V AC, min.	0.01 A
— at 230 V AC, max.	1 A

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Mechanical data	
Opening width of door, min.	0.3 m
Opening width of door, max.	5 m
Weight of door, max.	300 kg; 600 kg for 2:1 on-site reduction ratio
Operating cycle frequency of door, max.	180 1/h
Kinetic energy, max.	75 J
Counterweight	
● with SIDOOR MED280 direct drive, max.	6 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	No
CE mark	No
UL approval	Yes
EAC (formerly Gost-R)	No
TÜV Inspectorate approval	No
TÜV prototype tested	No
China RoHS compliance	Yes
Standard for EMC	EN 12015 / EN 12016 / EN 61000-6-2 / EN 61000-6-4 / EN 61326-3-1
Standard for safety	UL 61010-1 / UL 61010-2-201 / EN ISO 13849-1 Cat. 2 PL d / IEC 62061: SIL 2
Ambient conditions	
Ambient temperature during operation	
● min.	-25 °C
● max.	50 °C
● Remark	Bolt the controller onto a metal mounting surface so that thermal conductivity is ensured
Ambient temperature during storage/transportation	
● Storage, min.	-40 °C
● Storage, max.	85 °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	27-24-40-05
eClass	14	27-24-40-05
eClass	12	27-24-40-05
eClass	9.1	27-24-40-05
eClass	9	27-24-40-05
eClass	8	27-37-08-04
eClass	7.1	27-37-08-04
eClass	6	27-37-08-04
ETIM	10	EC002986
ETIM	9	EC002986
ETIM	8	EC002986
ETIM	7	EC002986

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	UNSPSC	15	39-12-15-52

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