

SIDOOR ATE530S Control device for Platform doors, up to 280 kg door weight, 1\*RS485, 5\*DI, 2\*DO, -25-+50 °C PROFINET IO Conformance Class C via 2x RJ45 sockets



General information	
Product type designation	ATE530S
Product version	With PROFINET interface
Optional product expansion	Standard mounting rail holder 6FB1144-0AT00-3AS0
Manufacturer's article no. of the usable motor	<a href="#">6FB1203-0AT12-7DA0</a>
Manufacturer's article no. of the usable power supply unit	<a href="#">6FB1112-0AT20-2TR0</a>
Mean time between failures (MTBF)	13 y
Installation type/mounting	
Installation and mounting instructions	No direct exposure to the sun
Supply voltage	
Design of the power supply	Via SIDOOR TRANSFORMER or via DC
Rated value (DC)	36 V; With MED280: At 24 V DC max. door speed of 500 mm/s, at 28.8 V DC max. door speed of 800 mm/s. With MEG251: At 24 V DC max. door speed of 500 mm/s, at 28.8 V DC max. door speed of 750 mm/s
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	37.1 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
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### Encoder supply

Output voltage (DC)	24 V
short-circuit proof	Yes
Overload-proof	Yes
Remark	Ensure correct polarity! CAUTION: Do not supply with external voltage!

### Output current

<ul style="list-style-type: none"> <li>For output (24 V DC), max.</li> </ul>	400 mA
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### Power

Active power input	80 W
Active power input, max.	540 W
Active power input (standby mode)	7 W

### Digital inputs

Control inputs isolated	Yes
Control inputs p-switching	Yes

### Input voltage

<ul style="list-style-type: none"> <li>per DC input, min.</li> </ul>	10 V; Observe polarity !
<ul style="list-style-type: none"> <li>per DC input, max.</li> </ul>	28 V; Observe polarity !

### Input current

<ul style="list-style-type: none"> <li>per DC input, min.</li> </ul>	3 mA
<ul style="list-style-type: none"> <li>per DC input, max.</li> </ul>	15 mA

### Digital outputs

#### Relay outputs

Switching capacity of contacts	
<ul style="list-style-type: none"> <li>at 30 V DC, min.</li> </ul>	0.01 A
<ul style="list-style-type: none"> <li>at 30 V DC, max.</li> </ul>	0.5 A

### Mechanical data

Opening width of door, min.	0.35 m
Opening width of door, max.	5 m
Weight of door, max.	280 kg
Operating cycle frequency of door, max.	180 1/h
Kinetic energy, max.	75 J

### Interfaces

Interfaces/bus type	PROFINET according to Conformance Class A, B, C; integrated switch for linear and ring structure
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### Isolation

Overvoltage category	2
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Degree and class of protection	
IP degree of protection	IP20
Standards, approvals, certificates	
CE mark	Yes
UL approval	No
TÜV Inspectorate approval	Yes
China RoHS compliance	Yes
Standard for EMC	EN 61000-6-2 / EN 61000-6-4 / EN 61326-3-1 / EN 50121-3-2 / EN50121-4 / EN50121-5
Standard for safety	EN 60950-1 / EN 60335-1 / EN 14752 / 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	Screw control device thermally conductive onto a metallic mounting surface or standard rail mounting, otherwise the maximum operating temperature is only 40 °C
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
<b>last modified:</b>	07/11/2019