

SIDOOR ATE530S COATED Control device for Platform doors, with protective coating, 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 COATED |
| Optional product expansion | Standard mounting rail holder 6FB1144-0AT00-3AS0 |
| Manufacturer's article no. of the usable motor | 6FB1203-0AT12-7DA0 |
| Manufacturer's article no. of the usable power supply unit | 6FB1112-0AT20-2TR0 |
| 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 |

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|---------------------------------|---|
| 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 | 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 | |
| • permissible voltage at input, min. | 10 V; Observe polarity ! |
| • permissible voltage at input, max. | 28 V; Observe polarity ! |
| Input current | |
| • 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. | 0.5 A |

Mechanical data

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|---|---------|
| 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

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

Isolation

| | |
|----------------------|---|
| Overvoltage category | 2 |
|----------------------|---|

Degree and class of protection

| | |
|-------------------------|------|
| IP degree of protection | IP20 |
|-------------------------|------|

Standards, approvals, certificates

| | |
|-----------------------|--|
| CE mark | Yes |
| UL approval | No |
| 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

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|----------|---|
| • 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 |
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Relative humidity

| | |
|-------------------------|------|
| • No condensation, min. | 10 % |
| • No condensation, max. | 93 % |

Dimensions

| | |
|--------|--------|
| Width | 320 mm |
| Height | 60 mm |
| Depth | 80 mm |

last modified: 06/22/2020