SIEMENS

## Data sheet 6ES7441-1AA05-0AE0



SIMATIC S7-400, coupling module CP 441-1 for point-to-point connections, 1 channel incl. configuration package on CD

| | |
|---|---|
| **Supply voltage** | |
| Rated value (DC) | |
| ● 5 V DC | Yes |
| ● 24 V DC | Yes |
| **Input current** | |
| from backplane bus 5 V DC, max. | 300 mA; Without interface module |
| **Power loss** | |
| Power loss, typ. | 2.1 W; incl. 1x20 mA TTY module |
| **Storage** | |
| Memory requirements per interface in memory card of S7-CPU | 1 to 5 KB for parameters; 0 to 55 KB for message texts |
| **Interfaces** | |
| Number of interfaces | 1; variable |
| Point-to-point connection | |
| ● Transmission rate, max. | 115.2 kbit/s; Min. 300 bps |
| ● supported printers | HP-Deskjet, HP-Laserjet, IBM-Proprinter, user-defined |
| Integrated protocol driver | |
| — 3964 (R) | Yes |
| — ASCII | Yes |
| — RK 512 | No |
| — Printer | Yes |
| — customer-specific drivers reloadable | No |
| Transmission rate, 20 mA (TTY) | |
| — with 3964 (R) protocol, max. | 19.2 kbit/s |
| — with ASCII protocol, max. | 19.2 kbit/s |
| — with printer driver, max. | 19.2 kbit/s |
| Transmission rate, RS 422/485 | |
| — with 3964 (R) protocol, max. | 115.2 kbit/s |
| — with ASCII protocol, max. | 115.2 kbit/s |
| — with printer driver, max. | 115.2 kbit/s |
| Transmission speed, RS 232 | |
| — with 3964 (R) protocol, max. | 115.2 kbit/s |
| — with ASCII protocol, max. | 115.2 kbit/s |
| — with printer driver, max. | 115.2 kbit/s |
| **Ambient conditions** | |
| Ambient temperature during operation | |
| ● min. | 0 °C |
| ● max. | 60 °C |
| Ambient temperature during storage/transportation | |
| ● min. | 0 °C |


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| | |
|---|---|
| ● max. | 70 °C |
| Relative humidity | |
| ● Operation, max. | 95 %; no condensation |
| **Dimensions** | |
| Width | 25 mm |
| Height | 290 mm |
| Depth | 210 mm |
| **Weights** | |
| Weight, approx. | 580 g; Interface modules: 80 g |

**Classifications**

| | Version | Classification |
|---|---|---|
| eClass | 16 | 27-24-22-08 |
| eClass | 14 | 27-24-22-08 |
| eClass | 12 | 27-24-22-08 |
| eClass | 9.1 | 27-24-22-08 |
| eClass | 9 | 27-24-22-08 |
| eClass | 8 | 27-24-22-08 |
| eClass | 7.1 | 27-24-22-08 |
| eClass | 6 | 27-24-22-08 |
| ETIM | 10 | EC001423 |
| ETIM | 9 | EC001423 |
| ETIM | 8 | EC001423 |
| ETIM | 7 | EC001423 |
| IDEA | 4 | 3564 |
| UNSPSC | 15 | 32-15-17-05 |

**Approvals / Certificates**

**General Product Approval**

Miscellaneous

**General Product Approval** | **For use in hazardous locations**

China RoHS | Miscellaneous | Manufacturer Declaration | FM

**For use in hazardous locations** | **Maritime application**

Type Examination Certificate | NK / Nippon Kaiji Kyokai

**Maritime application**

CCS (China Classification Society)

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