SIEMENS

Product data sheet

6ES7522-1BH10-0AA0



SIMATIC S7-1500, DIGITAL OUTPUT MODULE, DQ 16 X 24VDC/0.5A; 16 CHANNELS IN GROUPS OF 8, 4 A PER GROUP; INCL. FRONT CONNECTOR PUSH-IN

| General information | |
|--|--|
| Hardware product version | E01 |
| Firmware version | V1.0.0 |
| Product function | |
| I&M data | Yes |
| Engineering with | |
| STEP 7 TIA Portal can be configured/integrated as of version | V13 / V13 |
| STEP 7 can be configured/integrated as of version | V5.5 SP3 / - |
| PROFINET as of GSD version/GSD revision | V2.3 / - |
| Operating mode | |
| MSO | Yes |
| Supply voltage | |
| Rated value (DC) | 24 V |
| permissible range, lower limit (DC) | 20.4 V |
| permissible range, upper limit (DC) | 28.8 V |
| Reverse polarity protection | Yes ; through internal protection with 7 A per group |
| Input current | |
| Current consumption, max. | 30 mA |

| Power | |
|---|--|
| Power available from the backplane bus | 1.15 W |
| Power losses | |
| Power loss, typ. | 2.2 W |
| Digital outputs | |
| Number of digital outputs | 16 |
| Current-sourcing | Yes |
| Short-circuit protection | Yes |
| Response threshold, typ. | 1 A |
| Limitation of inductive shutdown voltage to | L+ (-53 V) |
| Controlling a digital input | Yes |
| Switching capacity of the outputs | |
| with resistive load, max. | 0.5 A |
| on lamp load, max. | 5 W |
| Load resistance range | |
| lower limit | 48 Ω |
| upper limit | 12 kΩ |
| Output voltage | |
| for signal "1", min. | L+ (-0.8 V) |
| Output current | |
| for signal "1" rated value | 0.5 A |
| for signal "1" permissible range, max. | 0.5 A |
| for signal "0" residual current, max. | 0.5 mA |
| Output delay with resistive load | |
| "0" to "1", max. | 100 µs |
| "1" to "0", max. | 500 µs |
| Parallel switching of 2 outputs | |
| for logic links | Yes |
| for increased power | No |
| for redundant control of a load | Yes |
| Switching frequency | <u></u> |
| with resistive load, max. | 100 Hz |
| with inductive load, max. | 0.5 Hz |
| on lamp load, max. | 10 Hz |
| Aggregate current of the outputs | |
| Max. current per channel | 0.5 A ; see additional description in the manual |
| Max. current per group | 4 A ; see additional description in the manual |
| Max. current per module | 8 A ; see additional description in the manual |

| Cable length | |
|--|-----------------|
| Cable length, shielded, max. | 1000 m |
| Cable length unshielded, max. | 600 m |
| Interrupts/diagnostics/status information | |
| Substitute values connectable | No |
| Alarms | |
| Diagnostic alarm | No |
| Diagnostic messages | |
| Diagnostics | No |
| Diagnostics indication LED | |
| RUN LED | Yes ; Green LED |
| ERROR LED | Yes ; Red LED |
| MAINT LED | No |
| Monitoring the supply voltage (PWR-LED) | Yes ; Green LED |
| Channel status display | Yes ; Green LED |
| Galvanic isolation | |
| Electrical isolation channels | |
| between the channels | No |
| between the channels, in groups of | 8 |
| between the channels and the backplane bus | Yes |
| Decentralized operation | |
| Prioritized startup | Yes |
| Dimensions | |
| Width | 25 mm |
| Height | 147 mm |
| | 129 mm |
| Depth | |
| Weights | |
| | 230 g |