SIEMENS

Data sheet

6ES7132-6BH00-2AA0



SIMATIC ET 200SP, digital output module, DQ 16x 24VDC/0.5A Basic, Pack quantity: 10 units, suitable for BU type A0, Color code CC00, Module diagnostics

Figure similar

| O manual information | |
|--|--|
| General information | |
| Product type designation | DQ 16x24VDC/0.5A BA |
| HW functional status | From FS03 |
| Firmware version | V0.0 |
| FW update possible | No |
| usable BaseUnits | BU type A0 |
| Color code for module-specific color identification plate | CC00 |
| Product function | |
| I&M data | Yes; I&M0 to I&M3 |
| Isochronous mode | No |
| Engineering with | |
| STEP 7 TIA Portal configurable/integrated from version | V14 |
| STEP 7 configurable/integrated from version | STEP 7 V5.5 or higher |
| PROFIBUS from GSD version/GSD revision | One GSD file each, Revision 3 and 5 and higher |
| PROFINET from GSD version/GSD revision | GSDML V2.3 |
| Operating mode | |
| • DQ | Yes |
| DQ with energy-saving function | No |
| • PWM | No |
| Oversampling | No |
| • MSO | No |
| Supply voltage | |
| Rated value (DC) | 24 V |
| permissible range, lower limit (DC) | 19.2 V |
| permissible range, upper limit (DC) | 28.8 V |
| Reverse polarity protection | Yes |
| Input current | |
| Current consumption, max. | 55 mA; without load |
| output voltage / header | |
| Rated value (DC) | 24 V |
| Power loss | |
| Power loss, typ. | 1 W |
| Address area | |
| Address space per module | |
| Outputs | 2 byte |
| Hardware configuration | |
| Automatic encoding | Yes |
| Mechanical coding element | Yes |
| Type of mechanical coding element | Type A |

| Selection of BaseUnit for connection variants | |
|--|--|
| 1-wire connection | BU type A0 |
| 2-wire connection | BU type A0 + Potential distributor module |
| 3-wire connection | BU type A0 + Potential distributor module |
| 4-wire connection | BU type A0 + Potential distributor module |
| Digital outputs | Bo type Ao - 1 oterital distributor module |
| Type of digital output | Source output (PNP, current-sourcing) |
| Number of digital outputs | 16 |
| Current-sinking | No |
| Current-sourcing | Yes |
| Digital outputs, parameterizable | Yes |
| Short-circuit protection | Yes |
| Response threshold, typ. | 1.4 A; 0.7 to 1.9 A |
| Open-circuit detection | No |
| Limitation of inductive shutdown voltage to | Typ. L+ (-53 V) |
| _ | Yes |
| Controlling a digital input Switching capacity of the outputs | 165 |
| | 0.5.4 |
| with resistive load, max. | 0.5 A |
| on lamp load, max. Load resistance range | 5 W |
| Load resistance range • lower limit | 48 Ω |
| | |
| • upper limit | 100 kΩ |
| Output current | 0.5.0 |
| • for signal "1" rated value | 0.5 A |
| • for signal "0" residual current, max. | 30 μA |
| Output delay with resistive load | 00 |
| • "0" to "1", typ. | 80 µs; at rated load |
| • "0" to "1", max. | 150 µs; at rated load |
| • "1" to "0", typ. | 100 µs; at rated load |
| • "1" to "0", max. | 200 μs; at rated load |
| Parallel switching of two outputs | No |
| • for uprating | No Yes |
| for redundant control of a load | Yes |
| Switching frequency | 400 H- |
| with resistive load, max. | 100 Hz |
| with inductive load, max. | 2 Hz |
| • on lamp load, max. | 10 Hz |
| Total current of the outputs | 0.5.4 |
| Current per channel, max. | 0.5 A |
| Current per module, max. | 8 A |
| Total current of the outputs (per module) | |
| horizontal installation | |
| — up to 60 °C, max. | 8 A |
| vertical installation | |
| — up to 50 °C, max. | 8 A |
| Cable length | |
| • shielded, max. | 1 000 m |
| • unshielded, max. | 600 m |
| nterrupts/diagnostics/status information | |
| Diagnostics function | Yes |
| Substitute values connectable | Yes |
| Alarms | |
| Diagnostic alarm | Yes |
| Diagnoses | |
| Monitoring the supply voltage | Yes |
| Wire-break | No |
| Short-circuit | No |
| Group error | Yes |
| Diagnostics indication LED | |
| Monitoring of the supply voltage (PWR-LED) | Yes; green PWR LED |
| Channel status display | Yes: areen LED |

| for channel diagnostics | No | |
|---|--|--|
| for module diagnostics | Yes; green/red DIAG LED | |
| Potential separation | | |
| Potential separation channels | | |
| between the channels | No | |
| between the channels and backplane bus | Yes | |
| Isolation | | |
| Isolation tested with | 707 V DC (type test) | |
| Standards, approvals, certificates | | |
| Suitable for safety functions | No | |
| Ambient conditions | | |
| Ambient temperature during operation | | |
| horizontal installation, min. | -30 °C | |
| horizontal installation, max. | 60 °C | |
| vertical installation, min. | -30 °C | |
| vertical installation, max. | 50 °C | |
| Altitude during operation relating to sea level | | |
| Installation altitude above sea level, max. | 2 000 m; On request: Installation altitudes greater than 2 000 m | |
| Dimensions | | |
| Width | 15 mm | |
| Height | 73 mm | |
| Depth | 58 mm | |
| Weights | | |
| Weight, approx. | 30 g | |

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