



Figure similar

*** spare part *** SIMATIC S7-200, digital output EM 222, isolated 8 DQ, 120/230 V AC, 0.5 A

| Supply voltage | |
|---|---|
| Load voltage L1 | |
| • Rated value (AC) | 230 V; 220/230 V AC |
| • permissible range, lower limit (AC) | 65 V |
| • permissible range, upper limit (AC) | 264 V |
| • permissible frequency range, lower limit | 47 Hz |
| • permissible frequency range, upper limit | 63 Hz |
| Input current | |
| from backplane bus 5 V DC, max. | 110 mA |
| Power loss | |
| Power loss, typ. | 4 W |
| Digital outputs | |
| Number of digital outputs | 8 |
| Short-circuit protection | No |
| Limitation of inductive shutdown voltage to | to be provided externally (see manual package "Setting up an S7-200") |
| Output voltage | |
| • for signal "1", min. | L1 (-0.9 V) |
| Output current | |
| • for signal "1" rated value | 0.5 A |
| • for signal "1" permissible range for 0 to 55 °C, max. | 500 mA; AC |
| • for signal "1" minimum load current | 50 mA |
| • for signal "0" residual current, max. | 1.8 mA; At 264 V AC |
| Total current of the outputs (per group) | |
| all mounting positions | |
| — up to 40 °C, max. | 0.5 A |
| — Current per conductor/group, max. | 0.5 A |
| horizontal installation | |
| — up to 55 °C, max. | 0.5 A |
| Relay outputs | |
| Switching capacity of contacts | |
| — with inductive load, max. | 0.5 A |
| — on lamp load, max. | 60 W |
| — with resistive load, max. | 0.5 A |
| Cable length | |
| • shielded, max. | 500 m |
| • unshielded, max. | 150 m |
| Potential separation | |
| Potential separation digital outputs | |

- Potential separation digital outputs
- between the channels, in groups of

Yes; Optocoupler
1; 8 groups

connection method / header

Plug-in I/O terminals Yes

Dimensions

Width 71.2 mm

Height 80 mm

Depth 62 mm

Weights

Weight, approx. 170 g

last modified: 8/11/2021 