

SIMATIC S7-400, digital output SM 422, isolated 16 DO; 120/230 V AC, 2 A



| Supply voltage | |
|---|---------------------|
| Load voltage L1 | |
| • Rated value (AC) | 230 V; 120/230 V AC |
| • permissible range, lower limit (AC) | 79 V |
| • permissible range, upper limit (AC) | 264 V |
| Input current | |
| from load voltage L+ (without load), max. | 1.5 mA |
| from backplane bus 5 V DC, max. | 400 mA |
| Power loss | |
| Power loss, typ. | 16 W |
| Digital outputs | |
| Number of digital outputs | 16 |
| Switching capacity of the outputs | |
| • on lamp load, max. | 50 W |
| Output voltage | |
| • for signal "1", min. | L1 (-18.1 V) |
| Output current | |

| | |
|--|---|
| • for signal "1" rated value | 2 A |
| • for signal "1" permissible range, min. | 10 mA |
| • for signal "1" permissible range, max. | 2 A |
| • for signal "0" residual current, max. | 2.6 mA |
| Switching frequency | |
| • with resistive load, max. | 10 Hz |
| • with inductive load, max. | 0.5 Hz |
| Total current of the outputs (per group) | |
| all mounting positions | |
| — up to 60 °C, max. | 2 A; 5 A with fan subassembly; per 4 adjacent outputs |
| Cable length | |
| • shielded, max. | 1 000 m |
| • unshielded, max. | 600 m |
| Interrupts/diagnostics/status information | |
| Diagnostics function | Not parameterizable |
| Potential separation | |
| Potential separation digital outputs | |
| • between the channels, in groups of | 4 |
| • between the channels and backplane bus | Yes |
| Isolation | |
| Isolation tested with | 1500 V AC |
| Dimensions | |
| Width | 25 mm |
| Height | 290 mm |
| Depth | 210 mm |
| Weights | |
| Weight, approx. | 800 g |
| last modified: | 12/24/2018 |