



SIMATIC S7-400, Power supply PS407: 4 A, wide range, UC 120/230V, 5 V DC/4 A

Figure similar

| Supply voltage | |
|---|--|
| Rated value (DC) | |
| • 120 V DC | Yes |
| • 230 V DC | Yes |
| Rated value (AC) | |
| • 120 V AC | Yes |
| • 230 V AC | Yes |
| Line frequency | |
| • Rated value 50 Hz | Yes |
| • Rated value 60 Hz | Yes |
| • permissible range, lower limit | 47 Hz |
| • permissible range, upper limit | 63 Hz |
| Mains buffering | |
| • Mains/voltage failure stored energy time | 20 ms |
| • Mains buffering according to NAMUR recommendation | Yes |
| Input current | |
| Rated value at 120 V DC | 350 mA |
| Rated value at 230 V DC | 190 mA |
| Rated value at 120 V AC | 0.42 A |
| Rated value at 230 V AC | 0.22 A |
| Inrush current, max. | 8.5 A; Full width at half maximum 5 ms |
| Leakage current, max. | 5 mA |
| output voltage / header | |
| Type of output voltage | DC |
| Rated value (DC) | |
| • 5 V DC | Yes |
| • 24 V DC | Yes |
| Output current | |
| for backplane bus (5 V DC), max. | 4 A; no base load required |
| for backplane bus (24 V DC), max. | 0.5 A; idling-proof |
| Short-circuit protection | Yes |
| Power | |
| Active power input, typ. | 52 W |
| Power loss | |
| Power loss, typ. | 20 W |
| Battery | |
| Backup battery | |
| • Backup battery (optional) | Yes; 1x lithium AA; 3.6 V / 2.2 Ah |
| Hardware configuration | |

| | |
|---|---|
| Slots | |
| • required slots | 1 |
| Potential separation | |
| primary/secondary | Yes |
| Isolation | |
| Overvoltage category | II |
| EMC | |
| Compliance with line harmonic distortion limits | |
| • Compliance with line harmonic distortion acc. to IEC 61000-3-2, IEC 61000-3-3 | Yes |
| Degree and class of protection | |
| Equipment protection class | I, with protective conductor |
| Standards, approvals, certificates | |
| FM approval | Yes; Ta: 0 °C to 70 °C T4 |
| BIS | Yes |
| Ambient conditions | |
| Ambient temperature during operation | |
| • min. | 0 °C |
| • max. | 60 °C |
| connection method | |
| Design of electrical connection | 3x 1.5 mm ² , solid or stranded wire with end sleeve, external diameter 3 mm to 9 mm |
| Dimensions | |
| Width | 25 mm |
| Height | 290 mm |
| Depth | 217 mm |
| Weights | |
| Weight, approx. | 760 g |

last modified: 8/30/2023 