

SIMATIC S7-400, POWERSUPPLY PS 405: 4A, 24/48/60V DC, 5V DC/4A, ATEXAPPROBATIONIDENTIFICATION



Figure similar

| General information | |
|---|--------------------------|
| Product type designation | PS405, 24 VDC, 5 VDC/4 A |
| Supply voltage | |
| Rated value (DC) | |
| • 24 V DC | Yes |
| • 48 V DC | Yes |
| • 60 V DC | Yes |
| permissible range, lower limit (DC) | 19.2 V; Dynamic 18.5 V |
| permissible range, upper limit (DC) | 72 V; dynamic 75.5 V |
| Mains buffering | |
| • Mains/voltage failure stored energy time | 20 ms |
| • Mains buffering according to NAMUR recommendation | Yes |
| Input current | |
| Rated value at 24 V DC | 2 A |
| Rated value at 48 V DC | 1 000 mA |

| | |
|---|---|
| Rated value at 60 V DC | 800 mA |
| Inrush current, max. | 18 A; Full width at half maximum 20 ms |
| Output voltage | |
| 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. | 48 W |
| Power loss | |
| Power loss, typ. | 16 W |
| Battery | |
| Backup battery | |
| • Backup battery (optional) | Yes; 1x lithium AA; 3.6 V / 2.3 Ah |
| Hardware configuration | |
| Slots | |
| • required slots | 1 |
| Potential separation | |
| primary/secondary | Yes |
| Degree and class of protection | |
| Protection class | 1; with protective conductor |
| Standards, approvals, certificates | |
| FM approval | Yes; Ta: 0 °C to 60 °C T4 |
| Connection method | |
| Connecting cables/cross-sections | 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: | 03/24/2017 |