



SIMATIC S7-1500, System power supply PS 25W 24 V DC, supplies the backplane bus of the S7-1500 with operating voltage

| General information | |
|---|---|
| Product type designation | PS 25W 24VDC |
| HW functional status | FS02 |
| Firmware version | V1.0.0 |
| Engineering with | |
| <ul style="list-style-type: none"> STEP 7 TIA Portal configurable/integrated from version | V12 / V12 |
| <ul style="list-style-type: none"> STEP 7 configurable/integrated from version | V5.5 SP3 or higher |
| Supply voltage | |
| Rated value (DC) | 24 V |
| permissible range, lower limit (DC) | 19.2 V; Static 19.2 V, dynamic 18.5 V |
| permissible range, upper limit (DC) | 28.8 V; Static 28.8 V, dynamic 30.2 V |
| Reverse polarity protection | Yes |
| Short-circuit protection | Yes |
| Mains buffering | |
| <ul style="list-style-type: none"> Mains/voltage failure stored energy time | 20 ms |
| Input current | |
| Rated value at 24 V DC | 1.3 A |
| Output current | |
| Short-circuit protection | Yes |
| Power | |
| Infeed power to the backplane bus | 25 W |
| Power loss | |
| Power loss at nominal rating conditions | 6.2 W |
| Interrupts/diagnostics/status information | |
| Status indicator | Yes |
| Potential separation | |
| primary/secondary | Yes |
| Isolation | |
| Isolation tested with | 707 V DC (type test) |
| EMC | |
| Interference immunity against voltage surge | |
| <ul style="list-style-type: none"> Interference immunity on supply lines acc. to IEC 61000-4-5 | Yes; ±1 kV (acc. to IEC 61000-4-5; 1995; surge symm.), ±2 kV (acc. to IEC 61000-4-5; 1995; surge asymm.), no external protective circuit required |
| Degree and class of protection | |
| IP degree of protection | IP20 |
| Equipment protection class | III, with protective conductor |
| Ambient conditions | |

Altitude during operation relating to sea level

- Installation altitude above sea level, max. 5 000 m; Restrictions for installation altitudes > 2 000 m, see manual

Dimensions

| | |
|--------|--------|
| Width | 35 mm |
| Height | 147 mm |
| Depth | 129 mm |

Weights

| | |
|-----------------|-------|
| Weight, approx. | 350 g |
|-----------------|-------|

last modified: 9/8/2021 