

SIMATIC S7-1500, System power supply with buffer functionality PS 60W 24/48/60V DC HF, supplies the backplane bus of the S7-1500 with operating voltage and permits the CPU to retain RAM (data) retentively



| General information | |
|---|-------------------------------|
| Product type designation | PS 60 W 24/48/60 V DC HF |
| HW functional status | E01 |
| Firmware version | V1.0.0 |
| Engineering with | |
| <ul style="list-style-type: none"> STEP 7 TIA Portal configurable/integrated as of version | V14 SP1 |
| Supply voltage | |
| Rated value (DC) | 24 V / 48 V / 60 V |
| permissible range, lower limit (DC) | Static 19.2 V, dynamic 18.5 V |
| permissible range, upper limit (DC) | Static 72 V, dynamic 75.5 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 | 3 A |
| Rated value at 48 V DC | 1.5 A |

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|---|---|
| Rated value at 60 V DC | 1.2 A |
| Inrush current, max. | ≤ 8 A for t ≤ 1 s |
| Output current | |
| Short-circuit protection | Yes |
| Power | |
| Infeed power to the backplane bus | 60 W |
| Power loss | |
| Power loss at nominal rating conditions | 12 W |
| Interrupts/diagnostics/status information | |
| Status indicator | Yes |
| Isolation | |
| Isolation tested with | 2 500 V DC (type test) |
| EMC | |
| Interference immunity against voltage surge | |
| <ul style="list-style-type: none"> on the 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 | |
| Degree of protection acc. to EN 60529 | IP20 |
| Equipment protection class | I, with protective conductor |
| Dimensions | |
| Width | 105 mm |
| Height | 147 mm |
| Depth | 129 mm |
| Weights | |
| Weight, approx. | 865 g |
| last modified: | 10/22/2018 |