



SIMATIC S7-1500, system power supply PS 60W 120/230V AC/DC, supplies the backplane bus of S7-1500 with operating voltage

| General information  |                               |
|--|-------------------------------|
| Product type designation   | PS 60 W 120/230 V AC/DC       |
| HW functional status   | E01                           |
| Firmware version   | V1.0.0                        |
| Engineering with   |                               |
| <ul style="list-style-type: none"> <li>STEP 7 TIA Portal configurable/integrated from version</li> </ul> | V12 / V12                     |
| <ul style="list-style-type: none"> <li>STEP 7 configurable/integrated from version</li> </ul>            | V5.5 SP3 or higher            |
| Installation type/mounting   |                               |
| Rail mounting  | Yes                           |
| Supply voltage   |                               |
| Rated value (DC)   | 120 V / 230 V                 |
| permissible range, lower limit (DC)  | 88 V                          |
| permissible range, upper limit (DC)  | 300 V                         |
| Rated value (AC)   | 120 V / 230 V                 |
| permissible range, lower limit (AC)  | 85 V                          |
| permissible range, upper limit (AC)  | 264 V                         |
| Short-circuit protection   | Yes                           |
| Line frequency   |                               |
| <ul style="list-style-type: none"> <li>Rated value 50 Hz</li> </ul>                                      | Yes                           |
| <ul style="list-style-type: none"> <li>permissible range, lower limit</li> </ul>                         | 47 Hz                         |
| <ul style="list-style-type: none"> <li>permissible range, upper limit</li> </ul>                         | 63 Hz                         |
| Mains buffering  |                               |
| <ul style="list-style-type: none"> <li>Mains/voltage failure stored energy time</li> </ul>               | 20 ms                         |
| Input current  |                               |
| Rated value at 120 V DC  | 0.6 A                         |
| Rated value at 230 V DC  | 0.3 A                         |
| Rated value at 120 V AC  | 0.6 A                         |
| Rated value at 230 V AC  | 0.34 A                        |
| 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                           |
| Potential separation   |                               |
| primary/secondary  | Yes                           |
| Isolation  |                               |
| Isolation tested with  | 2 500 V DC/2 s (routine test) |

| EMC   |   |
|---|---|
| Interference immunity against voltage surge   |   |
| <ul style="list-style-type: none"> <li>Interference immunity on supply lines acc. to IEC 61000-4-5</li> </ul> | Yes; $\pm 1$ kV (acc. to IEC 61000-4-5; 1995; surge symm.), $\pm 2$ 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  | I, with protective conductor  |
| Dimensions  |   |
| Width   | 70 mm   |
| Height  | 147 mm  |
| Depth   | 129 mm  |
| Weights   |   |
| Weight, approx.   | 600 g   |

**last modified:**

8/8/2023 