



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   | from FS01                     |
| Firmware version   | from 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            |
| 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  |                               |

- 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

Equipment protection class I, with protective conductor

#### Ambient conditions

Ambient temperature during operation

- min. -25 °C; up to FS04: 0 °C
- max. 60 °C

Altitude during operation relating to sea level

- Installation altitude above sea level, max. 2 000 m

#### Dimensions

Width 70 mm  
 Height 147 mm  
 Depth 129 mm

#### Weights

Weight, approx. 600 g

#### Classifications

|        | Version | Classification |
|--------|---------|----------------|
| eClass | 14      | 27-24-22-09    |
| eClass | 12      | 27-24-22-09    |
| eClass | 9.1     | 27-24-22-09    |
| eClass | 9       | 27-24-22-09    |
| eClass | 8       | 27-24-22-09    |
| eClass | 7.1     | 27-24-22-09    |
| eClass | 6       | 27-24-22-09    |
| ETIM   | 9       | EC000599       |
| ETIM   | 8       | EC000599       |
| ETIM   | 7       | EC000599       |
| IDEA   | 4       | 3575           |
| UNSPSC | 15      | 32-15-17-06    |

#### Approvals / Certificates

General Product Approval other Environment



[Confirmation](#)

[Environmental Confirmations](#)

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