



Figure similar

SIMATIC S7-400, Power supply PS407; 10 A, wide range, UC 120/230V, 5 V DC/10 A, for redundant use

| Supply voltage                                      |                                       |
|-----------------------------------------------------|---------------------------------------|
| Rated value (DC)                                    |                                       |
| • 120 V DC                                          | Yes                                   |
| • 230 V DC                                          | Yes                                   |
| Rated value (AC)                                    |                                       |
| • 120 V AC                                          | Yes                                   |
| • 230 V AC                                          | Yes                                   |
| Line frequency                                      |                                       |
| • Rated value 50 Hz                                 | Yes                                   |
| • Rated value 60 Hz                                 | Yes                                   |
| • permissible range, lower limit                    | 47 Hz                                 |
| • permissible range, upper limit                    | 63 Hz                                 |
| Mains buffering                                     |                                       |
| • Mains/voltage failure stored energy time          | 20 ms                                 |
| • Mains buffering according to NAMUR recommendation | Yes                                   |
| Input current                                       |                                       |
| Rated value at 120 V DC                             | 1 A                                   |
| Rated value at 230 V DC                             | 0.5 A                                 |
| Rated value at 120 V AC                             | 0.9 A                                 |
| Rated value at 230 V AC                             | 0.5 A                                 |
| Inrush current, max.                                | 63 A; Full width at half maximum 1 ms |
| Leakage current, max.                               | 5 mA                                  |
| Output voltage / header                             |                                       |
| 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.                    | 10 A; no base load required           |
| for backplane bus (24 V DC), max.                   | 1 A; idling-proof                     |
| Short-circuit protection                            | Yes                                   |
| Power                                               |                                       |
| Active power input, typ.                            | 95 W                                  |
| Power loss                                          |                                       |
| Power loss, typ.                                    | 20 W                                  |
| Battery                                             |                                       |
| Backup battery                                      |                                       |
| • Backup battery (optional)                         | Yes; 1x lithium AA; 3.6 V / 2.2 Ah    |
| Hardware configuration                              |                                       |

|                                                                                 |                                                                                                 |
|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Slots                                                                           |                                                                                                 |
| • required slots                                                                | 2                                                                                               |
| Potential separation                                                            |                                                                                                 |
| primary/secondary                                                               | Yes                                                                                             |
| Isolation                                                                       |                                                                                                 |
| Overvoltage category                                                            | II                                                                                              |
| EMC                                                                             |                                                                                                 |
| Compliance with line harmonic distortion limits                                 |                                                                                                 |
| • Compliance with line harmonic distortion acc. to IEC 61000-3-2, IEC 61000-3-3 | Yes                                                                                             |
| Degree and class of protection                                                  |                                                                                                 |
| Equipment protection class                                                      | I, with protective conductor                                                                    |
| Standards, approvals, certificates                                              |                                                                                                 |
| FM approval                                                                     | Yes; Ta: 0 °C to 70 °C T4                                                                       |
| BIS                                                                             | Yes                                                                                             |
| Ambient conditions                                                              |                                                                                                 |
| Ambient temperature during operation                                            |                                                                                                 |
| • min.                                                                          | 0 °C                                                                                            |
| • max.                                                                          | 60 °C                                                                                           |
| connection method                                                               |                                                                                                 |
| Design of electrical connection                                                 | 3x 1.5 mm <sup>2</sup> , solid or stranded wire with end sleeve, external diameter 3 mm to 9 mm |
| Dimensions                                                                      |                                                                                                 |
| Width                                                                           | 50 mm                                                                                           |
| Height                                                                          | 290 mm                                                                                          |
| Depth                                                                           | 217 mm                                                                                          |
| Weights                                                                         |                                                                                                 |
| Weight, approx.                                                                 | 1 200 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



[Miscellaneous](#)



[KC](#)



##### EMV

##### For use in hazardous locations

##### Maritime application



[FM](#)



## Maritime application



[NK / Nippon Kaiji Kyokai](#)



[CCS \(China Classification Society\)](#)

## Environment



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6/7/2025 