



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

Figure similar

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	

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

	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**



EG-Konf.

[Miscellaneous](#)



UL

[KC](#)



RCM

**EMV**      **For use in hazardous locations**      **Marine / Shipping**



RCM



RCM

[FM](#)



ABS



BUREAU  
VERITAS



DNV

Marine / Shipping



LRS

[NK / Nippon Kaiji Kyokai](#)



PRS



RINA



RMRS

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

Environment



last modified:

3/12/2024