

SIPLUS S7-400 PS 407 10 A -25...+70 °C with conformal coating based on 6ES7407-0KA02-0AA0 . 10A, Wide range, "UC 120/230V; 5 V DC/10 A"



Figure similar

General information	
Product type designation	PS 407
Supply voltage	
Rated value (DC)	
• 120 V DC	Yes
• 230 V DC	Yes
permissible range, lower limit (DC)	88 V
permissible range, upper limit (DC)	300 V
Rated value (AC)	
• 120 V AC	Yes
• 230 V AC	Yes
permissible range, lower limit (AC)	85 V
permissible range, upper limit (AC)	264 V
Line frequency	
• Rated value 50 Hz	Yes
• Rated value 60 Hz	Yes
• permissible range, lower limit	47 Hz

<ul style="list-style-type: none"> <li>permissible range, upper limit</li> </ul>	63 Hz
<b>Mains buffering</b>	
<ul style="list-style-type: none"> <li>Mains/voltage failure stored energy time</li> </ul>	20 ms
<ul style="list-style-type: none"> <li>Mains buffering according to NAMUR recommendation</li> </ul>	Yes
<b>Input current</b>	
Rated value at 110 V DC	1 A; at 120 V DC
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
<b>Output voltage</b>	
Type of output voltage	DC
Rated value (DC)	
<ul style="list-style-type: none"> <li>5 V DC</li> </ul>	Yes
<ul style="list-style-type: none"> <li>24 V DC</li> </ul>	Yes
<b>Output current</b>	
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
<b>Power</b>	
Active power input, typ.	95 W
<b>Power loss</b>	
Power loss, typ.	20 W
<b>Battery</b>	
Backup battery	
<ul style="list-style-type: none"> <li>Backup battery (optional)</li> </ul>	Yes; 0 °C to +60 °C: 2 x lithium AA; 3.6 V/2.3 Ah // -25 °C to +70 °C and/or 100% RH: 2 x external battery box 6AG1971-0AA00-7AA0 and 2 x MONO cell design D
<b>Hardware configuration</b>	
Slots	
<ul style="list-style-type: none"> <li>required slots</li> </ul>	2
<b>Potential separation</b>	
primary/secondary	Yes
<b>EMC</b>	
Compliance with line harmonic distortion limits	
<ul style="list-style-type: none"> <li>Compliance with line harmonic distortion acc. to IEC 61000-3-2, IEC 61000-3-3</li> </ul>	Yes
<b>Degree and class of protection</b>	

Equipment protection class	I, with protective conductor
<b>Ambient conditions</b>	
Ambient temperature during operation	
• min.	-25 °C; using the external battery box SIPLUS 6AG1971-0AA00-7AA0 for buffer mode
• max.	70 °C; using the external battery box SIPLUS 6AG1971-0AA00-7AA0 for buffer mode
Altitude during operation relating to sea level	
• Installation altitude above sea level, max.	2 000 m
• Ambient air temperature-barometric pressure-altitude	Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m)
Relative humidity	
• With condensation, tested in accordance with IEC 60068-2-38, max.	100 %; RH incl. condensation/frost (no commissioning if there is condensation). In buffer mode, use battery box SIPLUS 6AG1971-0AA00-7AA0 for high humidity
<b>Resistance</b>	
Use in stationary industrial systems	
— to biologically active substances according to EN 60721-3-3	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request
— to chemically active substances according to EN 60721-3-3	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *
— to mechanically active substances according to EN 60721-3-3	Yes; Class 3S4 incl. sand, dust, *
Use on ships/at sea	
— to biologically active substances according to EN 60721-3-6	Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request
— to chemically active substances according to EN 60721-3-6	Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *
— to mechanically active substances according to EN 60721-3-6	Yes; Class 6S3 incl. sand, dust; *
from supply voltage 1L+	
— Note regarding classification of environmental conditions acc. to EN 60721	* The supplied plug covers must remain in place over the unused interfaces during operation!
<b>Connection method</b>	
Connecting cables/cross-sections	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

last modified:

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