

SIPLUS S7-400 PS407 10A -25 ... +70 DEGREES C WITH CONFORMAL COATING BASED ON 6ES7407-0KR02-0AA0 . 10A, WIDERANGE, UC 120/230V; DC 5V/10A, FOR REDUNDANT USE



Figure similar

General information	
Product type designation	PS407,UC 120/230 V,5 VDC/10 A,RED.
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>	
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>	
Protection class	1; with protective conductor

## Ambient conditions

### 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

### Extended ambient conditions

- relative to ambient temperature-atmospheric pressure-installation altitude Tmin ... Tmax at 1080 hPa ... 795 hPa (-1000 m ... +2000 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

### Resistance

- against biologically active substances / conformity with EN 60721-3-3 Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna). The supplied connector covers must remain on the unused interfaces during operation!
- against chemically active substances / conformity with EN 60721-3-3 Yes; Class 3C4 (RH < 75%) incl. salt spray according to EN 60068-2-52 (degree of severity 3). The supplied connector covers must remain on the unused interfaces during operation!
- against mechanically active substances / conformity with EN 60721-3-3 Yes; Class 3S4 incl. sand, dust. The supplied connector covers must remain on the unused interfaces during operation!

## Connection method

- 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

## Dimensions

- Width 50 mm
- Height 290 mm
- Depth 217 mm

## Weights

- Weight, approx. 1 200 g

**last modified:** 03/11/2017