

Spare part SIPLUS S7-400, Power supply with conformal coating based on 6ES7407-0KR02-0AA0 . ""PS407; 10A, Wide range, "" UC 120/230V, 5 V DC/10 A, for redundant use



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"> permissible range, upper limit 	63 Hz
Mains buffering	
<ul style="list-style-type: none"> Mains/voltage failure stored energy time 	20 ms
<ul style="list-style-type: none"> Mains buffering according to NAMUR recommendation 	Yes
Input current	
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
Output voltage	
Type of output voltage	DC
Rated value (DC)	
<ul style="list-style-type: none"> 5 V DC 	Yes
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> Backup battery (optional) 	Yes; 2x lithium AA; 3.6 V / 2.3 Ah
Hardware configuration	
Slots	
<ul style="list-style-type: none"> required slots 	2
Potential separation	
primary/secondary	Yes
EMC	
Compliance with line harmonic distortion limits	
<ul style="list-style-type: none"> 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

Ambient conditions

Ambient temperature during operation

- min. 0 °C; = Tmin
- max. 60 °C; = Tmax

Altitude during operation relating to sea level

- Ambient air temperature-barometric pressure-altitude Tmin ... Tmax at 1 080 hPa ... 795 hPa (-1 000 m ... +2 000 m) // Tmin ... (Tmax - 10 K) at 795 hPa ... 658 hPa (+2 000 m ... +3 500 m) // Tmin ... (Tmax - 20 K) at 658 hPa ... 540 hPa (+3 500 m ... +5 000 m)

Relative humidity

- With condensation, tested in accordance with IEC 60068-2-38, max. 100 %; RH incl. condensation/frost permitted (no commissioning in bedewed state)

Resistance

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 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!
- to mechanically active substances according to 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 mm², 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: 05/16/2018