

SIPLUS S7-400 PS407 10A -25 ... +70 DEGREES C WITH CONFORMAL COATING BASED ON 6ES7407-0KA02-0AA0 . 10A, WIDERANGE, UC 120/230V; DC 5V/10A



Figure similar

| 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 |
| • 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 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) | |
| • 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

| | |
|-------------------------|------|
| Power consumption, typ. | 95 W |
|-------------------------|------|

Power loss

| | |
|------------------|------|
| Power loss, typ. | 20 W |
|------------------|------|

Battery

| | |
|-----------------------------|--|
| Backup battery | |
| • Backup battery (optional) | 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 |

Hardware configuration

| | |
|------------------|---|
| Slots | |
| • required slots | 2 |

Potential separation

| | |
|-------------------|-----|
| primary/secondary | Yes |
|-------------------|-----|

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

| | |
|------------------|------------------------------|
| 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) // Tmin ... (Tmax - 10K) at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // Tmin ... (Tmax - 20K) at 658 hPa ... 540 hPa (+3500 m ... +5000 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 ² , 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: | 10/08/2016 |