

SIPLUS S7-400 PS405 10A -25 ... +70 DEGREES C WITH
CONFORMAL COATING BASED ON 6ES7405-0KR02-0AA0 . 10A,
WIDERANGE, DC 24/48/60V; DC 5V/10A, FOR REDUNDANT USE



Figure similar

General information	
Product type designation	PS405,24/48/60 VDC,5 VDC/10 A,RED
Supply voltage	
Rated value (DC)	
• 24 V DC	Yes
• 48 V DC	Yes
• 60 V DC	Yes
permissible range, lower limit (DC)	19.2 V; Dynamic 18.5 V
permissible range, upper limit (DC)	72 V; dynamic 75.5 V
Mains buffering	
• Mains/voltage failure stored energy time	20 ms
• Mains buffering according to NAMUR recommendation	Yes
Input current	
Rated value at 24 V DC	4 A
Rated value at 48 V DC	2 A

Rated value at 60 V DC	1.6 A
Inrush current, max.	18 A; Full width at half maximum 20 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
Degree and class of protection	
Protection class	1; with protective conductor
Ambient conditions	
Ambient temperature during operation	
• min.	-25 °C; = Tmin; using the external battery box SIPLUS 6AG1971-0AA00-7AA0 for buffer mode
• max.	70 °C; = Tmax; 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 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:

10/25/2016