Data sheet

SIPLUS S7-400 PS 405 10 A -25...+70°C with conformal coating based on 6ES7405-0KA02-0AA0 . Power "supply, Wide range ""10 A," "24/48/60 V DC; 5 V DC/10 A"""



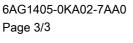
Figure similar

Supply voltage	
Rated value (DC)	
• 24 V DC	Yes
• 48 V DC	Yes
• 60 V DC	Yes
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

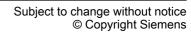
Rated value (DC)	
• 5 V DC	Yes
• 24 V DC	Yes
•	
Output current	40.4.74.000.00
for backplane bus (5 V DC), max.	10 A; 7A @ > 60 °C, no base load necessary
for backplane bus (24 V DC), max.	1 A; idling-proof Yes
Short-circuit protection	res
Power	
Active power input, typ.	95 W
Power loss	
Power loss, typ.	20 W
Battery	
Backup battery	
Backup battery (optional)	Yes; 2x lithium AA; 3.6 V / 2.3 Ah
Hardware configuration Slots	
	2
• required slots	2
Potential separation	
primary/secondary	Yes
Isolation	
Overvoltage category	II
Dograp and along of protection	
Degree and class of protection Equipment protection class	I, with protective conductor
	, . p
Ambient conditions	
Ambient temperature during operation	25 °C; – Twin
• min.	-25 °C; = Tmin 70 °C; = Tmax
• max.	70 C, = 1111ax
Altitude during operation relating to sea level	5 000 m
Installation altitude above sea level, max.	
Ambient air temperature-barometric pressure- altitude	Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax - 10 K) at 795 hPa 658 hPa (+2 000 m +3 500
altitude	m) // Tmin (Tmax - 10 K) at 795 fil a 056 fil a (12 000 fil 15 500 m) // Tmin (Tmax -20 K) at 658 hPa 540 hPa (+3 500 m +5
	000 m)
Relative humidity	
With condensation, tested in accordance with	100 %; RH incl. condensation/frost permitted (no commissioning
	in bedewed state)
IEC 60068-2-38, max.	
Resistance	
Resistance	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request



to chemically active substances according	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-
to EN 60721-3-3	52 (severity degree 3); * Vac: Class 304 incl. aand. dust. *
 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; *
Usage in industrial process technology	
 Against chemically active substances acc. to EN 60654-4 	Yes; Class 3 (excluding trichlorethylene)
 Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04 	Yes; Level GX group A/B (excluding trichlorethylene; harmful gas concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)
Remark	
 Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04 	* The supplied plug covers must remain in place over the unused interfaces during operation!
Conformal coating	
 Coatings for printed circuit board assemblies acc. to EN 61086 	Yes; Class 2 for high reliability
• Drotaction against fauling and to EN 60664.2	Yes; Type 1 protection
 Protection against fouling acc. to EN 60664-3 	1 co, Type T protection
 Military testing according to MIL-I-46058C, Amendment 7 	Yes; Discoloration of coating possible during service life
 Military testing according to MIL-I-46058C, 	
 Military testing according to MIL-I-46058C, Amendment 7 Qualification and Performance of Electrical Insulating Compound for Printed Board 	Yes; Discoloration of coating possible during service life
 Military testing according to MIL-I-46058C, Amendment 7 Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A 	Yes; Discoloration of coating possible during service life
Military testing according to MIL-I-46058C, Amendment 7 Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A Connection method	Yes; Discoloration of coating possible during service life Yes; Conformal coating, Class A 3x 1.5 mm², solid or stranded wire with end sleeve, external
Military testing according to MIL-I-46058C, Amendment 7 Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A Connection method Design of electrical connection	Yes; Discoloration of coating possible during service life Yes; Conformal coating, Class A 3x 1.5 mm², solid or stranded wire with end sleeve, external
Military testing according to MIL-I-46058C, Amendment 7 Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A Connection method Design of electrical connection Dimensions	Yes; Discoloration of coating possible during service life Yes; Conformal coating, Class A 3x 1.5 mm², solid or stranded wire with end sleeve, external diameter 3 mm to 9 mm
Military testing according to MIL-I-46058C, Amendment 7	Yes; Discoloration of coating possible during service life Yes; Conformal coating, Class A 3x 1.5 mm², solid or stranded wire with end sleeve, external diameter 3 mm to 9 mm 50 mm
Military testing according to MIL-I-46058C, Amendment 7 Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A Connection method Design of electrical connection Dimensions Width Height	Yes; Discoloration of coating possible during service life Yes; Conformal coating, Class A 3x 1.5 mm², solid or stranded wire with end sleeve, external diameter 3 mm to 9 mm 50 mm 290 mm



last modified:



10/09/2020