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Data sheet 6AG1593-0AA00-7AA0

SIPLUS S7-1500 cooling fan 175 mm with conformal coating 0...+70 °C suitable for the following CPUs: SIPLUS S7-1500 CPU 1518-4 (6AG1518-4AP00-4AB0); SIPLUS S7-1500 CPU 1518F-4 (6AG1518-4FP00-4AB0); SIPLUS S7-1500 CPU 1518-4 MFP (6AG1518-4AX00-4AC0)



Supply voltage	
Rated value (DC)	24 V
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	27.7 V
Reverse polarity protection	Yes
Input current	
Current consumption (rated value)	0.05 A
Current consumption, max.	0.07 A
Inrush current, max.	0.17 A
Power loss	
Power loss, typ.	1.7 W
Digital outputs	
Current-sourcing	Yes
Controlling a digital input	Yes; digital input according to IEC 61131, type 3
Parallel switching of two outputs	
● for logic links	No
● for uprating	No
● for redundant control of a load	No
Cable length	
● unshielded, max.	3 m
Interrupts/diagnostics/status information	
Alarms	Yes; red LED warning indicator switches on at standstill or low fan speed
Diagnostics function	Yes; digital output OK
Degree and class of protection	
IP degree of protection	20
Ambient conditions	
Ambient temperature during operation	
● min.	0 °C; = Tmin
● max.	70 °C; = Tmax
Ambient temperature during storage/transportation	
● min.	-40 °C
● max.	70 °C
Altitude during operation relating to sea level	
● Installation altitude above sea level, max.	5 000 m
● 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 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 (no commissioning in bedewed state), horizontal installation

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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 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *
— to mechanically active substances according to EN 60721-3-3	No
Use on ships/at sea	
— to biologically active substances according to EN 60721-3-6	No
— to chemically active substances according to EN 60721-3-6	No
— to mechanically active substances according to EN 60721-3-6	No
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)
Connection method	
Connection I/O signals	
● Connection method	Push-in terminal
● Number of lines per connection	1
Conductor cross-section in mm²	
— Connectable cable cross-sections for massive cables, min.	0.25 mm²
— Connectable cable cross-sections for massive cables, min.	1.5 mm²
— Connectable cable cross-sections for flexible cables without end sleeve, min.	0.25 mm²
— Connectable cable cross-sections for flexible cables without end sleeve, max.	1.5 mm²
— Connectable cable cross-sections for flexible cables with end sleeve, min.	0.25 mm²
— Connectable cable cross-sections for flexible cables with end sleeve, max.	1.5 mm²
Conductor cross-section acc. to AWG	
— Connectable cable cross-sections for massive cables, min.	24
— Connectable cable cross-sections for massive cables, min.	16
— Connectable cable cross-sections for flexible cables without end sleeve, min.	24
— Connectable cable cross-sections for flexible cables without end sleeve, max.	16
— Connectable cable cross-sections for flexible cables with end sleeve, min.	24
— Connectable cable cross-sections for flexible cables with end sleeve, max.	16
Wire end processing	
— Stripped length of cables, min.	10 mm
— End sleeve acc. to DIN 46228 without plastic sleeve	7 mm long
— End sleeve acc. to DIN 46228 with plastic sleeve	8 mm long
Mounting	
— Tightening torque, min.	0.3 N·m; screw interlock
— Tightening torque, max.	0.3 N·m; screw interlock
Dimensions	
Width	170 mm
Height	54 mm
Depth	119 mm
Weights	
Weight, approx.	220 g
Classifications	

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	Version	Classification
eClass	16	27-24-22-92
eClass	14	27-24-22-92
eClass	12	27-24-22-92
eClass	9.1	27-24-22-92
eClass	9	27-24-22-92
eClass	8	27-24-92-90
eClass	7.1	27-24-92-90
eClass	6	27-24-92-90
ETIM	10	EC002584
ETIM	9	EC002584
ETIM	8	EC002584
ETIM	7	EC002584

Approvals / Certificates

General Product Approval

China RoHS

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