SIEMENS

Data sheet

6AG1322-1HF10-2AA0



SIPLUS S7-300 SM 322-40-pole based on 6ES7322-1HF10-0AA0 with conformal coating, -25...+60 °C, digital output isolated 8 DQ (relay), 1x 40-pole, 24 V DC, 5 A or 230 V AC, 5 A, plugs with spring-loaded terminal can be used from 6ES7392-1BM01-0AA0

Figure similar

General information	
based on	6ES7322-1HF10-0AA0
Supply voltage	
Load voltage L+	
Rated value (DC)	120 V
Load voltage L1	
 Rated value (AC) 	230 V
Input current	
from supply voltage L+, max.	125 mA
from backplane bus 5 V DC, max.	40 mA
Power loss	
Power loss, typ.	4.2 W
Digital outputs	
Number of digital outputs	8; Relays
Short-circuit protection	No; to be provided externally
Controlling a digital input	Yes
Switching capacity of the outputs	
 on lamp load, max. 	1 500 W; 230 V AC
 Low energy/fluorescent lamps with electronic control gear 	10x 58 W
 Fluorescent tubes, conventionally compensated 	1x 58 W
Fluorescent tubes, uncompensated	10x 58 W
Output current	
for signal "1" rated value	5 A
for signal "1" minimum load current	5 mA
Parallel switching of two outputs	
for uprating	No
for redundant control of a load	Yes
Switching frequency	
with resistive load, max.	2 Hz
 with inductive load, max. 	0.5 Hz
• With inductive load (to IEC 60947-5-1, DC13/AC15), max.	0.5 Hz
on lamp load, max.	2 Hz
mechanical, max.	10 Hz
Total current of the outputs (per group)	
horizontal installation	
— up to 60 °C, max.	5 A
— up to 70 °C, max.	5 A
vertical installation	
— up to 40 °C, max.	5 A

Relay outputs • Rated supply voltage of relay coil L+ (DC) 24 V			
 Rated supply voltage of relay coil L+ (DC) 			
Contact connection (internal)			
	300 000; 300 000 (24 V DC, at 2 A); 200 000 (120 V AC, at 3 A); 100 000 (230 V AC, at 3 A)		
Switching capacity of contacts			
— with inductive load, max. 3 A; 3 A (30 V DC), 2 A (24 V AC)		
— with resistive load, max. 8 A; 8 A (30 V DC), 5 A (24 V AC)		
— Thermal continuous current, max. 8 A			
Cable length			
• shielded, max. 1 000 m			
• unshielded, max. 600 m			
Interrupts/diagnostics/status information			
Alarms			
Diagnostics function No			
Alarms			
Diagnostic alarm No			
Diagnoses			
Wire-break No			
• Short-circuit No			
• Fuse blown No			
missing load voltage No			
Diagnostics indication LED			
Rated load voltage PWR (green) No			
• Fuse OK FSG (green) No			
Status indicator digital output (green) Yes			
Potential separation			
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• between the channels Yes	coupler		
Potential separation digital outputs • between the channels Yes • between the channels, in groups of 1	coupler		
Potential separation digital outputs • between the channels • between the channels, in groups of • between the channels and backplane bus Yes; Opto			
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Potential separation digital outputs • between the channels • between the channels, in groups of • between the channels and backplane bus Isolation Isolation tested with 2 000 V A Standards, approvals, certificates CE mark UL approval RCM (formerly C-TICK) KC approval EAC (formerly Gost-R) Railway application • EN 50155 Ambient conditions Ambient temperature during operation • min. • min. • 25 °C; = • max.	cons 4, 5 and 12; no further agreements apply; T1, Category 1, Class 2155:2007 (see SIOS entry 109755985)		
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60721-3-3				
Use on land craft, rail vehicles and special-purpose vehicles				
 to biologically active substances according to EN 60721-3-5 	Yes; Class 5B2 mold, fungus and dry rot spores (with the exception of fauna); Class 5B3 on request			
 to chemically active substances according to EN 60721-3-5 	Yes; Class 5C3 (RH < 75 %) incl. salt spray acc. to EN 50155 (ST2); *			
 to mechanically active substances according to EN 60721-3-5 	Yes; Class 5S3 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!			
connection method				
required front connector	40-pin			
Dimensions				
Width	40 mm			
Height	125 mm			
Depth	120 mm			
Weights				
Weight, approx.	320 g			
Classifications				
		Version	Classification	
	eClass	14	27-24-22-04	
	eClass	12	27-24-22-04	

Version	Classification
14	27-24-22-04
12	27-24-22-04
9.1	27-24-22-04
9	27-24-22-04
8	27-24-22-04
7.1	27-24-22-04
6	27-24-22-04
9	EC001419
8	EC001419
7	EC001419
4	3566
15	32-15-17-05
	14 12 9.1 9 8 7.1 6 9 8 7

Approvals / Certificates

General Product Approval

Miscellaneous

Manufacturer Declaration Declaration of Conformity







EMV

<u>KC</u>



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