SIEMENS

Data sheet

6AG1322-5FF00-4AB0

SIPLUS S7-300 SM 322 8DO with conformal coating based on 6ES7322-5FF00-0AB0 . Digital output isolated, 8 DO, 120/230 V AC, 2A, with single rooting/channel and selectable failure mode, 1x 40pole



Figure similar

Supply voltage	
Load voltage L1	
• Rated value (AC)	230 V; 120/230 V AC
 permissible range, lower limit (AC) 	79 V
• permissible range, upper limit (AC)	264 V
Input current	
from load voltage L1 (without load), max.	2 mA
from backplane bus 5 V DC, max.	100 mA
Power loss	
Power loss, typ.	8.6 W
Digital outputs	
Number of digital outputs	8
Short-circuit protection	Yes; to be provided externally; fuse 3.15 A / 250 V, quick
	response
Controlling a digital input	Yes
Size of motor starters according to NEMA, max.	Size 5 according to NEMA



Zero-crossing switch	Yes; 60 V
Switching capacity of the outputs	
● on lamp load, max.	50 W
Output voltage	
● for signal "1", min.	L1 (-8.5 V)
Output current	
 for signal "1" rated value 	2 A
 for signal "1" permissible range for 0 to 40 °C, min. 	10 mA
 for signal "1" permissible range for 0 to 40 °C, max. 	2 A
 for signal "1" permissible range for 40 to 60 °C, min. 	10 mA
 for signal "1" permissible range for 40 to 60 °C, max. 	1 A
• for signal "1" minimum load current	10 mA
 for signal "1" permissible surge current, max. 	20 A; with 2 half waves
• for signal "0" residual current, max.	2 mA
Parallel switching of two outputs	
• for uprating	No
 for redundant control of a load 	Yes
Switching frequency	
• with resistive load, max.	10 Hz
• with inductive load, max.	0.5 Hz
 with inductive load (acc. to IEC 60947-5-1, AC15), max. 	0.5 Hz
• on lamp load, max.	1 Hz
Total current of the outputs (per group)	
horizontal installation	
— up to 40 °C, max.	8 A
— up to 60 °C, max.	4 A
vertical installation	
— up to 40 °C, max.	4 A
Cable length	
• shielded, max.	1 000 m
• unshielded, max.	600 m
Interrupts/diagnostics/status information	
Diagnostics function	Yes; Parameterizable
Alarms	
Diagnostic alarm	Yes; Parameterizable
Diagnostics indication LED	
• Group error SF (red)	Yes

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Potential separation Protential separation digital outputs • between the channels, in groups of • between the channels, and pups of • between the channels and backplane bus Yes: Optocoupler Isolation Isolation tested with 1 500 V AC Standards, approvals, certificates CE mark Yes UL approval Yes; File E239877 RCK formerly C-TICK) Yes Yes Yes EAC (formerly Cost-R) Yes Railway application • Yes • EN 50155 No Ambient temperature during operation • "c; = Tmin • min. 0 °C; = Tmax Ambient temperature during storage!transportation • min. • min. 40 °C • max. 70 °C Altitude during operation relating to sea level • Tmin	• Status indicator digital output (green)	Yes
Potential separation digital outputs between the channels yes between the channels, in groups of testween the channels and backplane bus Yes; Optocoupler Isolation tested with 1 500 V AC Standards, approvals, certificates CE mark Ves; File E239877 RCM (formerly C-TICK) Yes RCM (formerly C-TICK) Yes Raitway application EAC (formerly C-TICK) Yes Raitway application EN 50155 No Ambient temperature during operation min. 0.°C; = Tmin 0.°C max. 70.°C Altitude during operation relating to sea level Installation altitude above sea level, max. Ambient temperature-barometric pressure- altitude Installation it temperature-barometric pressure- altitude With condensation, tested in accordance with IEC 60068-2-38, max. Condensation, tested in accordance with IEC 60068-2-38, max. Condensation, forte store substances according to EN 60721-3-3 The mechanicalty active substances according to EN 60721-3-3	Potential separation	
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to EN 60721-3-352 (severity degree 3); *— to mechanically active substances according to EN 60721-3-3Yes; Class 3S4 incl. sand, dust, *		
according to EN 60721-3-3		
Use on ships/at sea	-	Yes; Class 3S4 incl. sand, dust, *
	Use on ships/at sea	

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 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.	275 g
last modified:	10/09/2020

