6AG1322-8BF00-2AB0

Data sheet

SIPLUS S7-300 SM 322-20-pole -25...+60 °C based on 6ES7322-8BF00-0AB0



Figure similar

Supply voltage	
Load voltage L+	
Rated value (DC)	24 V
• permissible range, lower limit (DC)	20.4 V
• permissible range, upper limit (DC)	28.8 V
Input current	
from load voltage L+ (without load), max.	90 mA
from backplane bus 5 V DC, max.	70 mA
Power loss	
Power loss, typ.	5 W
D: 201	
Digital outputs	
Number of digital outputs	8
	8 Yes; Electronic
Number of digital outputs	
Number of digital outputs Short-circuit protection	Yes; Electronic

Switching capacity of the outputs	
● on lamp load, max.	5 W
Load resistance range	
• lower limit	48 Ω
• upper limit	3 kΩ
Output voltage	
• for signal "1", min.	L+ (-0.8 to -1.6 V)
Output current	
• for signal "1" rated value	0.5 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. 	0.6 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. 	0.6 A
for signal "1" minimum load current	10 mA
• for signal "0" residual current, max.	0.5 mA
Output delay with resistive load	
● "0" to "1", max.	180 µs
• "1" to "0", max.	245 μs
Parallel switching of two outputs	
• for uprating	No
 for redundant control of a load 	Outputs with series diodes only
Switching frequency	
with resistive load, max.	100 Hz
with inductive load, max.	2 Hz
 with inductive load (acc. to IEC 60947-5-1, DC13), max. 	2 Hz
● on lamp load, max.	10 Hz
Total current of the outputs (per group)	
horizontal installation	
— up to 40 °C, max.	4 A
— up to 60 °C, max.	3 A
— up to 70 °C, max.	2.5 A; (without diode) & 1.5 A (with diode)
vertical installation	
— up to 40 °C, max.	4 A
Cable length	
• shielded, max.	1 000 m
• unshielded, max.	600 m
nterrupts/diagnostics/status information	

Alarms Diagnostic alarm Posspective messages Diagnostic information readable Wire-break Short-circuit Fuse blown Mo missing load voltage PWR (green) Fuse OK FSG (green) Group error SF (red) Status indicator digital output (green) Channel fault indicator F (red) Potential separation Potential separation digital outputs between the channels, in groups of between the channels and backplane bus potential separation Potential separation Potential separation digital outputs between the channels and backplane bus potential separation Potential separation Potential separation digital outputs potential separation Potential separation digital outputs potential separation Potential separation Potential separation Potential separation Potential separation digital outputs potential separation Potential separation digital outputs potential separation Potential separation Potential separation digital outputs potential separation Potential separation Potential separation digital outputs potential separation Potential separation digital outputs potential separation Potential separation digital outputs potential separation Po	Diagnostics function	Yes; Parameterizable
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	•	Tmin (Tmax - 10 K) at 795 hPa 658 hPa (+2 000 m +3 500

Relative humidity 100 %; RH incl. condensation/frost (no commissioning under • With condensation, tested in accordance with condensation conditions) IEC 60068-2-38, max. Resistance Use in stationary industrial systems — to biologically active substances according Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request to EN 60721-3-3 Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-— to chemically active substances according 52 (severity degree 3); * to EN 60721-3-3 - to mechanically active substances Yes; Class 3S4 incl. sand, dust, * according to EN 60721-3-3 Use on land craft, rail vehicles and special-purpose vehicles Yes; Class 5B2 mold, fungus and dry rot spores (with the — to biologically active substances according to EN 60721-3-5 exception of fauna); Class 5B3 on request Yes; Class 5C3 (RH < 75 %) incl. salt spray acc. to EN 50155 - to chemically active substances according (ST2); * to EN 60721-3-5 — to mechanically active substances Yes; Class 5S3 incl. sand, dust; * according to EN 60721-3-5 Use on ships/at sea Yes; Class 6B2 mold and fungal spores (excluding fauna); Class — to biologically active substances according to EN 60721-3-6 6B3 on request Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-- to chemically active substances according 52 (severity degree 3); * to EN 60721-3-6 Yes; Class 6S3 incl. sand, dust; * - to mechanically active substances according to EN 60721-3-6 Usage in industrial process technology Yes; Class 3 (excluding trichlorethylene) - Against chemically active substances acc. to EN 60654-4 Yes; Level GX group A/B (excluding trichlorethylene; harmful gas - Environmental conditions for process, concentrations up to the limits of EN 60721-3-3 class 3C4 measuring and control systems acc. to ANSI/ISA-71.04 permissible); level LC3 (salt spray) and level LB3 (oil) Remark - Note regarding classification of * The supplied plug covers must remain in place over the unused interfaces during operation! environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04 Connection method 20-pin required front connector Dimensions Width 40 mm Height 125 mm Depth 120 mm

Weight, approx.

Weights

210 g

05/13/2020 last modified: