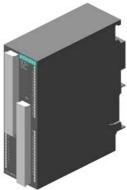
SIEMENS

Data sheet

6ES7322-1BP50-0AA0



SIMATIC S7-300 digital output SM 322, Isolated in groups of 16, 64DO, 24 V DC, 0.3A sinking output Total current 2 A/group, 8 A/module Terminal blocks 6ES7392-1.N00-0AA0 and cable 6ES7392-4...0-0AA0 required

Supply voltage Laad 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 75 mA from load voltage L+ (without load), max. 75 mA from backplane bus 5 V DC, max. 100 mA Power loss, typ. 6 W Digital outputs 64 Short-circuit protection Yes; Electronic Limitation of inductive shutdown voltage to M+ (45 V) Controlling a digital input Yes Switching capacity of the outputs 6 W o na lamp load, max. 5 W Load resistance range 60 Ω • or lamp load, max. 5 W Load resistance range 60 Ω • for signal "1", min. M+ (0.5 V) Output voltage 0.3 A • for signal "1", permissible range, min. 2.4 mA • for signal "1" permissible range, min. 2.4 mA • for signal "1" permissible range, min. 2.4 mA • for signal "1" permissible range, max. 0.36 A Output delay with resistive load 450 µs
• Rated value (DC) 24 V • permissible range, lower limit (DC) 20.4 V • permissible range, upper limit (DC) 28.8 V Input current from backplane bus 5 V DC, max. from backplane bus 5 V DC, max. 100 mA Power loss Power loss Power loss, typ. 6 W Digital outputs 64 Short-circuit protection Yes; Electronic Limitation of inductive shutdown voltage to M+ (45 V) Controlling a digital input Yes Switching capacity of the outputs 5 W Load resistance range 60 Ω • lower limit 80 Ω • upper limit 10 kΩ Output voltage 61 × SV) Output voltage 61 × SV • for signal "1", min. M+ (0.5 V) Output voltage 0.3 A • for signal "1" permissible range, min. 2.4 mA • for signal "1" permissible range, min. 2.4 mA • for signal "1" permissible range, min. 2.4 mA • for signal "1" permissible range, max. 0.36 A Output delay with resistive load -0" to "1", max.
• permissible range, lower limit (DC)20.4 V• permissible range, upper limit (DC)28.8 VInput current75 mAfrom backplane bus 5 V DC, max.70 mAPower lossPower loss, typ.6 WDigital outputs64Short-circuit protectionYes; ElectronicLimitation of inductive shutdown voltage toMH (45 V)Controlling a digital inputYesSwitching capacity of the outputs5 W• on lamp load, max.5 WLoad resistance range80 Ω• lower limit80 Ω• or signal "1", min.MH (0.5 V)Output voltage0.3 A• for signal "1" permissible range, max.0.36 AOutput delay with resistive load2.4 mA• 0" to "1", max.450 µs
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Output delay with resistive load • "0" to "1", max. 450 µs
• "0" to "1", max. 450 µs
• "1" to "0", max. 450 µs
Parallel switching of two outputs
• for uprating No
for redundant control of a load Yes
Switching frequency
• with resistive load, max. 100 Hz
• with inductive load, max. 0.5 Hz
• on lamp load, max. 10 Hz
Total current of the outputs (per group)
horizontal installation
— up to 40 °C, max. 1.6 A

— up to 60 °C, max.	1.2 A
vertical installation	
— up to 40 °C, max.	1.6 A
Cable length	
 shielded, max. 	1 000 m
 unshielded, max. 	600 m
Interrupts/diagnostics/status information	
Alarms	No
Diagnostics function	No
Alarms	
Diagnostic alarm	No
Diagnoses	
 Diagnostic information readable 	No
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
Group error SF (red)	No
 Status indicator digital output (green) 	Yes
 Channel fault indicator F (red) 	No
Potential separation	
Potential separation digital outputs	
 between the channels 	No
 between the channels, in groups of 	16
 between the channels and backplane bus 	Yes; Optocoupler
Isolation	
Isolation tested with	500 V DC
connection method / header	
required front connector	Cable: 6ES7392-4Bxx0-0AA0 terminal blocks: 6ES7392-1xN00-0AA0
Dimensions	
Width	40 mm
Height	125 mm
Depth	112 mm
Weights	
Weight, approx.	230 g
last modified:	12/16/2020 🖸