SIEMENS

Data sheet 6ES7322-1BP00-0AA0

*** spare part *** SIMATIC S7-300 digital output SM 322, isolated in groups of 16, 64 DO, 24 V DC, 0.3 A 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	
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.	75 mA
from backplane bus 5 V DC, max.	100 mA
Power loss	
Power loss, typ.	6 W
Digital outputs	
Number of digital outputs	64
Short-circuit protection	Yes; Electronic
● Response threshold, typ.	0.7 to 1.9 A
Limitation of inductive shutdown voltage to	L+ (-53 V)
Controlling a digital input	Yes
Switching capacity of the outputs	
● on lamp load, max.	5 W
Load resistance range	
● lower limit	80 Ω
● upper limit	10 kΩ
Output voltage	
● for signal "1", min.	L+ (-0.5 V)
Output current	
● for signal "1" rated value	0.3 A
● for signal "1" permissible range, min.	2.4 mA
● for signal "1" permissible range, max.	0.36 A
● for signal "0" residual current, max.	0.1 mA
Output delay with resistive load	
● "0" to "1", max.	550 µs
● "1" to "0", max.	550 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	

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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
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	
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

Classifications

	Version	Classification
eClass	16	27-24-22-04
eClass	14	27-24-22-04
eClass	12	27-24-22-04
eClass	9.1	27-24-22-04
eClass	9	27-24-22-04
eClass	8	27-24-22-04
eClass	7.1	27-24-22-04
eClass	6	27-24-22-04
ETIM	10	EC001419
ETIM	9	EC001419
ETIM	8	EC001419
ETIM	7	EC001419
IDEA	4	3566
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

Miscellaneous | Manufacturer Declaration

General Product Approval

China RoHS | Manufacturer Declaration

EMV

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For use in hazardous locations					
 ATEX	FM	 UL	 IECEx	 ATEX	Miscellaneous

For use in hazardous locations	Maritime application				
CCC-Ex	 ABS	 BUREAU VERITAS	 DNV	 LRS	NK / Nippon Kaiji Kyokai

Maritime application		
 PRS	 RINA	CCS (China Classification Society)

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