MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ES7322-1FH00-0AA0

ISOLATED AC DIGITAL OUTPUT MODULE

Used with the applicable SIMATIC S7-300 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens 6ES7322-1FH00-0AA0 technical data and applicable product instructions

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Product data sheet 6ES7322-1FH00-0AA0



SIMATIC S7-300, DIGITAL OUTPUT SM 322, OPTICALLY ISOLATED 16 DO, 120/230V AC, 1 A, 1 X 20 PIN

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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 L+ (without load), max.	2 mA
from load voltage L1 (without load), max.	3 mA
from backplane bus 5 V DC, max.	200 mA
Power losses	
Power loss, typ.	8.6 W
Digital outputs	
Number of digital outputs	16
Switching capacity of the outputs	
Lamp load, max.	50 W
Output current	
for signal "1" rated value	1 A
for signal "1" permissible range for 0 to 40 °C, max.	1 A

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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
Switching frequency	
with resistive load, max.	10 Hz
with inductive load, max.	0.5 Hz
on lamp load, max.	1 Hz
Aggregate current of outputs (per group)	
horizontal installation	
up to 40 °C, max.	4 A
up to 60 °C, max.	2 A
vertical installation	
up to 40 °C, max.	2 A
Cable length	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
Interrupts/diagnostics/status information	
Alarms	
Diagnostic alarm	No
Diagnostic messages	
Diagnostics	Yes
Wire break	No
Short circuit	No
Fuse blown	Yes
Missing load voltage	No
Diagnostics indication LED	
Rated load voltage PWR (green)	No
Fuse OK FSG (green)	Yes ; Red LED for fuse
Galvanic isolation	
Galvanic isolation digital outputs	
between the channels, in groups of	8
between the channels and the backplane bus	Yes ; Optocoupler
Isolation	
Isolation checked with	4000 VDC
Connection method	
required front connector	20-pin
Dimensions	
Width	40 mm

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Height	125 mm
Depth	120 mm
Weights	
Weight, approx.	275 g
Status	Sep 2, 2013

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