MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ES7322-1HF10-0AA0

EIGHT-CHANNEL RELAY OUTPUT MODULE

Used with the applicable SIMATIC S7-300 SM 322 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens 6ES7322-1HF10-0AA0 official technical data; applicable specification pages.

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Product data sheet 6ES7322-1HF10-0AA0



SIMATIC S7-300, DIGITAL OUTPUT SM 322,
OPTICALLY ISOLATED, 8 DO (RELAY),
1 X 40 PIN, 24V DC, 5A OR 230V AC, 5A,
CONNECTOR W.SPRING TERMINAL CAN BE USED
FROM 6ES7392-1BM01-0AA0

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Supply voltage	
Load voltage L+	
Rated value (DC)	120 V
Load voltage L1	
Rated value (AC)	230 V
Input current	
from backplane bus 5 V DC, max.	40 mA
Power losses	
Power loss, typ.	4.2 W
Digital outputs	
Number of digital outputs	8
Switching capacity of the outputs	
Lamp load, max.	1500 W ; 230 V AC
Output current	
for signal "1" rated value	5 A
for signal "1" minimum load current	5 mA
Switching frequency	
with resistive load, max.	2 Hz

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with inductive load, max.	0.5 Hz
on lamp load, max.	2 Hz
mechanical, max.	10 Hz
Aggregate current of outputs (per group)	
horizontal installation	
up to 60 °C, max.	5 A
vertical installation	
up to 40 °C, max.	5 A
Relay outputs	
Rated input voltage of relay coil L+ (DC)	24 V
Number of operating cycles, max.	300000 ; 300000 (24 V DC, at 2 A); 200000 (120 V AC, at 3 A); 100000 (230 V AC, at 3 A)
Switching capacity of contacts	
with inductive load, max.	3 A ; 3 A (230 V DC); 2 A (24 V AC)
with resistive load, max.	8 A ; 8 A (230 V DC); 5 A (24 V AC)
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	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
Galvanic isolation	
Galvanic isolation digital outputs	
between the channels, in groups of	1
between the channels and the backplane bus	Yes ; Optocoupler
Isolation	
Isolation checked with	2000 V AC
Connection method	
required front connector	40-pin

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Dimensions	
Width	40 mm
Height	125 mm
Depth	120 mm
Weights	
Weight, approx.	320 g
Status	Sep 2, 2013

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