MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ES7422-1HH00-0AA0

SM 422 SIXTEEN-CHANNEL RELAY OUTPUT MODULE

Used with the applicable SIMATIC S7-400 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens manufacturer document for 6ES7422-1HH00-0AA0

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Data sheet 6ES7422-1HH00-0AA0

SIMATIC S7-400, SM 422 DIGITAL OUTPUT MODULE, OPTIC. ISOLATED, 16 DO, 5..230V AC, 5A RELAY



Figure similar

Supply voltage	
Load voltage L+	
• Rated value (DC)	60 V
• permissible range, lower limit (DC)	1 V
• permissible range, upper limit (DC)	60 V
Load voltage L1	
• Rated value (AC)	230 V
• permissible range, lower limit (AC)	2 V
• permissible range, upper limit (AC)	264 V
Input current	
from backplane bus 5 V DC, max.	1 A
Power loss	
Power loss, typ.	4.5 W
Digital outputs	
Number of digital outputs	16; Relays
Switching capacity of the outputs	

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• on lamp load, max.	60 W
Output current	
• for signal "1" rated value	5 A
Switching frequency	
• with resistive load, max.	10 Hz
Total current of the outputs (per group)	
all mounting positions	
— up to 60 °C, max.	5 A; 10 A with fan subassembly
Relay outputs	
• Number of operating cycles, max.	100 000; 100 000 (AC-15 / DC-13); 3 000 000 mechanical
Switching capacity of contacts	
— with inductive load, max.	5 A; 5 A (30 V DC), 5 A (230 V AC)
— with resistive load, max.	5 A; 5 A (30 V DC), 5 A (230 V AC), 1.2 A (60 V DC), 0.2 A (125 V DC)
Cable length	
• shielded, max.	1 000 m
• unshielded, max.	600 m

Potential separation	
Potential separation digital outputs	
• between the channels, in groups of	2
• between the channels and backplane bus	Yes

Isolation	
Isolation tested with	1500 V AC

Dimensions	
Width	25 mm
Height	290 mm
Depth	210 mm

Weights	
Weight, approx.	700 g

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