MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ES7422-1FH00-0AA0

SIXTEEN-CHANNEL AC OUTPUT MODULE

Used with the applicable SIMATIC S7-400 SM 422 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens 6ES7422-1FH00-0AA0 official product data; applicable specification pages.

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Data sheet 6ES7422-1FH00-0AA0

SIMATIC S7-400, SM 422 DIGITAL OUTPUT MODULE, OPTIC. ISOLATED, 16 DO, 120/230V AC, 2A



Figure similar

Supply voltage	
Load voltage L1	
• Rated value (AC)	230 V; 120/230V AC
• permissible range, lower limit (AC)	79 V
• permissible range, upper limit (AC)	264 V
Input current	
from load voltage L+ (without load), max.	1.5 mA
from backplane bus 5 V DC, max.	400 mA
Power loss	
Power loss, typ.	16 W
Digital outputs	
Number of digital outputs	16
Switching capacity of the outputs	
• on lamp load, max.	50 W
Output voltage	
• for signal "1", min.	L1 (-18.1 V)

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Output current	
• for signal "1" rated value	2 A
• for signal "1" permissible range, min.	10 mA
• for signal "1" permissible range, max.	2 A
• for signal "0" residual current, max.	2.6 mA
Switching frequency	
• with resistive load, max.	10 Hz
• with inductive load, max.	0.5 Hz
Total current of the outputs (per group)	
all mounting positions	
— up to 60 °C, max.	2 A; 5 A with fan subassembly; per 4 adjacent outputs
Cable length	
• shielded, max.	1 000 m
• unshielded, max.	600 m

Potential separation	
Potential separation digital outputs	
• between the channels, in groups of	4
• 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.	800 g

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