

# SIEMENS

## Product data sheet

**6ES7422-1FH00-0AA0**


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

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.	1.5 mA
from load voltage L1 (without load), max.	6 mA
from backplane bus 5 V DC, max.	400 mA
Power losses	
Power loss, max.	16 W
Digital outputs	
Number/binary outputs	16
Lamp load, max.	50 W
Output voltage	

for signal "1", min.	L1 (-18.1 V)
<b>Output current</b>	
for signal "1" rated value	2 A
for signal "1" permissible range for 0 to 60 °C, min.	10 mA
for signal "0" residual current, max.	2.6 mA
<b>Switching frequency</b>	
with resistive load, max.	10 Hz
with inductive load, max.	0.5 Hz
<b>Aggregate current of outputs (per group)</b>	
<b>Digital inputs / Number of inputs that can be driven in parallel / all mounting positions</b>	
up to 60 °C, max.	2 A ; 5 A with fan subassembly; per 4 adjacent outputs
<b>Cable length</b>	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
<b>Galvanic isolation</b>	
<b>Galvanic isolation digital outputs</b>	
between the channels, in groups of	4
between the channels and the backplane bus	Yes
<b>Isolation</b>	
Isolation checked with	1500 V AC
<b>Dimensions</b>	
Width	25 mm
Height	290 mm
Depth	210 mm
<b>Weight</b>	
Weight, approx.	800 g
Status	Sep 10, 2011