

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)
Output current	
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
Switching frequency	
with resistive load, max.	10 Hz
with inductive load, max.	0.5 Hz
Aggregate current of outputs (per group)	
all mounting positions	
up to 60 °C, max.	2 A ; 5 A with fan subassembly; per 4 adjacent outputs
Cable length	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
Galvanic isolation	
Galvanic isolation digital outputs	
between the channels, in groups of	4
between the channels and the backplane bus	Yes
Isolation	
Isolation checked with	1500 V AC
Dimensions	
Width	25 mm
Height	290 mm
Depth	210 mm
Weight	
Weight, approx.	800 g
Status	Jul 17, 2012