

# SIEMENS

## Product data sheet

**6ES7422-1BH11-0AA0**


SIMATIC S7-400,  
SM 422 DIGITAL OUTPUT MODULE,  
OPTIC. ISOLATED, 16 DO, 24V DC, 2A

Supply voltage	
Load voltage L+	
Rated value (DC)	24 V
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Input current	
from load voltage L+ (without load), max.	30 mA
from backplane bus 5 V DC, max.	160 mA
Power losses	
Power loss, max.	7 W
Digital outputs	
Number/binary outputs	16
Limitation of inductive shutdown voltage to	-30 V
Lamp load, max.	10 W
Output voltage	

for signal "1", min.	L+ (-0.5 V)
<b>Output current</b>	
for signal "1" rated value	2 A
for signal "1" permissible range for 0 to 60 °C, min.	5 mA
for signal "1" permissible range for 0 to 60 °C, max.	2.4 A
for signal "0" residual current, max.	0.5 mA
<b>Switching frequency</b>	
with resistive load, max.	100 Hz
with inductive load, max.	0.1 Hz
<b>Aggregate current of outputs (per group)</b>	
all mounting positions	
up to 60 °C, max.	2 A ; 2 adjacent outputs each
<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	8
between the channels and the backplane bus	Yes
<b>Isolation</b>	
Isolation checked with	500 V DC
<b>Dimensions</b>	
Width	25 mm
Height	290 mm
Depth	210 mm
<b>Weight</b>	
Weight, approx.	600 g
Status	Jul 17, 2012