

SIEMENS

Product data sheet

6ES7422-1BL00-0AA0


SIMATIC S7-400,
SM 422 DIGITAL OUTPUT MODULE,
OPTIC. ISOLATED, 32 DO, 24V DC, 0.5A

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.	200 mA
Power losses	
Power loss, max.	4 W
Digital outputs	
Number/binary outputs	32
Limitation of inductive shutdown voltage to	-27 V
Lamp load, max.	5 W
Output voltage	

for signal "1", min.	L+ (-0.3 V)
Output current	
for signal "1" rated value	0.5 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.	0.6 A
for signal "0" residual current, max.	0.3 mA
Switching frequency	
with resistive load, max.	100 Hz
with inductive load, max.	0.5 Hz
Aggregate current of outputs (per group)	
Digital inputs / Number of inputs that can be driven in parallel / all mounting positions	
up to 60 °C, max.	2 A ; 8 adjacent outputs each
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	32
between the channels and the backplane bus	Yes
Isolation	
Isolation checked with	500 V DC
Dimensions	
Width	25 mm
Height	290 mm
Depth	210 mm
Weight	
Weight, approx.	600 g
Status	Sep 10, 2011