SIEMENS

Product data sheet 6ES7422-1BL00-0AA0

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

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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 of digital outputs	32
Limitation of inductive shutdown voltage to	-27 V
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

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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)	
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
Weights	
Weight, approx.	600 g
Status	Dec 20, 2014

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