



SIMATIC S7-400, DIG.OUTPUT MOD. SM 422,
OPTIC. ISOLATED, 32 DO, 24V DC,
0.5A WITH 0,15 MS OUTPUT DELAY,
DIAGNOSTICS

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
Load voltage L1	
permissible range, lower limit (AC)	20.4 V
permissible range, upper limit (AC)	28.8 V
Input current	
from load voltage L+ (without load), max.	120 mA
from backplane bus 5 V DC, max.	200 mA
Power loss	
Power loss, max.	8 W
Digital outputs	
Number of digital outputs	32
Limitation of inductive shutdown voltage to	L+ (-45 V)
Switching capacity of the outputs	
Lamp load, max.	5 W

Output voltage	
for signal "1", min.	L+ (-0.8 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.	0.5 mA
Switching frequency	
with resistive load, max.	100 Hz
with inductive load, max.	2 Hz
Total current of the outputs (per group)	
all mounting positions	
up to 60 °C, max.	2 A
Cable length	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
Interrupts/diagnostics/status information	
Alarms	
Diagnostic alarm	Yes ; Parameterizable
Diagnostic messages	
Diagnostics	Yes ; internal/ external fault
Galvanic isolation	
Galvanic isolation digital outputs	
between the channels, in groups of	8
between the channels and the backplane bus	Yes
Isolation	
Isolation tested with	500 V DC
Dimensions	
Width	25 mm
Height	290 mm
Depth	210 mm
Weights	
Weight, approx.	600 g
Status	Jul 29, 2014