



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

<b>Supply voltage</b>	
<b>Load voltage L+</b>	
Rated value (DC)	24 V
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
<b>Load voltage L1</b>	
permissible range, lower limit (AC)	20.4 V
permissible range, upper limit (AC)	28.8 V
<b>Input current</b>	
from load voltage L+ (without load), max.	120 mA
from backplane bus 5 V DC, max.	200 mA
<b>Power losses</b>	
Power loss, max.	8 W
<b>Digital outputs</b>	
Number of digital outputs	32
Limitation of inductive shutdown voltage to	L+ (-45 V)
<b>Output voltage</b>	
for signal "1", min.	L+ (-0.8 V)

<b>Output current</b>	
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
<b>Switching frequency</b>	
with resistive load, max.	100 Hz
with inductive load, max.	2 Hz
<b>Aggregate current of outputs (per group)</b>	
all mounting positions	
up to 60 °C, max.	2 A
<b>Cable length</b>	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
<b>Interrupts/diagnostics/status information</b>	
<b>Alarms</b>	
Diagnostic alarm	Yes ; Parameterizable
<b>Diagnostic messages</b>	
Diagnostics	Yes ; internal/ external fault
<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>Weights</b>	
Weight, approx.	600 g
Status	Dec 20, 2014