



SIMATIC S7-400,
SM 422 DIGITAL OUTPUT MODULE,
OPTIC. ISOLATED, 16 DO, 5..230V AC,
5A RELAY

Supply voltage	
Load voltage L+	
Rated value (DC)	60 V
permissible range, lower limit (DC)	1 V
permissible range, upper limit (DC)	60 V
Load voltage L1	
Rated value (AC)	230 V
permissible range, lower limit (AC)	2 V
permissible range, upper limit (AC)	264 V
Input current	
from backplane bus 5 V DC, max.	1 A
Power loss	
Power loss, max.	25 W
Digital outputs	
Number of digital outputs	16 ; Relays
Switching capacity of the outputs	
Lamp load, max.	60 W
Output current	

for signal "1" rated value	5 A
Switching frequency	
with resistive load, max.	10 Hz
Total current of the outputs (per group)	
all mounting positions	
up to 60 °C, max.	5 mA ; 10 A with fan subassembly
Relay outputs	
Number of operating cycles, max.	100000 ; 100,000 (AC 15 / DC 13); 3,000,000 mechanical
Switching capacity of contacts	
with inductive load, max.	5 A ; 5 A (30 V DC); 5 A (230 V AC)
with resistive load, max.	5 A ; 5 A (30 V DC); 5 A (230 V AC); 1.2 A (60 V DC); 0.2 A (125 V DC)
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	2
between the channels and the backplane bus	Yes
Isolation	
Isolation tested with	1500 V AC
Dimensions	
Width	25 mm
Height	290 mm
Depth	210 mm
Weights	
Weight, approx.	700 g
Status	Jul 14, 2014