## SIEMENS

## Data sheet

## 6ES7422-1BL00-0AA0

SIMATIC S7-400, digital output SM 422, isolated 32 DO; 24 V DC, 0.5 A



rigoresinna	
Supply voltage	
Load voltage L+	
Rated value (DC)	24 V
<ul> <li>permissible range, lower limit (DC)</li> </ul>	20.4 V
<ul> <li>permissible range, upper limit (DC)</li> </ul>	28.8 V
Input current	
from load voltage L+ (without load), max.	30 mA
from backplane bus 5 V DC, max.	200 mA
Power loss	
Power loss, typ.	4 W
Digital outputs	
Number of digital outputs	32
Short-circuit protection	Yes; Clocked electronically
Response threshold, typ.	0.7 to 1.5 A
Limitation of inductive shutdown voltage to	-27 V
Controlling a digital input	Yes; possible
Switching capacity of the outputs	
• on lamp load, max.	5 W
Load resistance range	
lower limit	48 Ω
• upper limit	4 kΩ
Output voltage	
● for signal "1", min.	L+ (-0.3 V)
Output current	
<ul> <li>for signal "1" rated value</li> </ul>	0.5 A
<ul> <li>for signal "1" permissible range, min.</li> </ul>	5 mA
<ul> <li>for signal "1" permissible range, max.</li> </ul>	0.6 A
<ul> <li>for signal "0" residual current, max.</li> </ul>	0.3 mA
Output delay with resistive load	
• "0" to "1", max.	1 ms
• "1" to "0", max.	1 ms
Parallel switching of two outputs	
<ul> <li>for uprating</li> </ul>	Yes; possible (only outputs of the same group)
<ul> <li>for redundant control of a load</li> </ul>	Yes; possible (only outputs of the same group)
Switching frequency	
<ul> <li>with resistive load, max.</li> </ul>	100 Hz
<ul> <li>with inductive load, max.</li> </ul>	0.5 Hz
• with inductive load (acc. to IEC 60947-5-1, DC13), max.	2 Hz; 2 Hz at 0.3 A; 0.5 Hz at 0.5 A
• on lamp load, max.	10 Hz

4 A	
2 A; 8 adjacent outputs each	
1 000 m	
600 m	
Interrupts/diagnostics/status information	
No	
Potential separation	
Potential separation digital outputs	
No	
32	
Yes	
Isolation	
500 V AC/707 V DC, type test	
Dimensions	
25 mm	
290 mm	
210 mm	
600 g	

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