SIEMENS

Data sheet

6ES7522-5EH00-0AB0

SIMATIC S7-1500, DIGITAL OUTPUT MODULE DQ16 X 24...48VUC/125VDC/0.5A; 16 CHANNELS IN GROUPS OF 1, 0.5A PER GROUP; SUBSTITUTE VALUE; PLEASE NOTE DERATING



General information		
Product type designation	DQ 16x24 48VUC/125VDC/0.5A ST	
HW functional status	FS01	
Firmware version	V1.0.0	
Product function		
● I&M data	Yes; I&M0 to I&M3	
Engineering with		
 STEP 7 TIA Portal configurable/integrated as of version 	V13 SP1 / -	
 STEP 7 configurable/integrated as of version 	V5.5 SP3 / -	
 PROFIBUS as of GSD version/GSD revision 	V1.0 / V5.1	
 PROFINET as of GSD version/GSD revision 	V2.3 / -	
Operating mode		
• DQ	Yes	
• MSO	Yes	
Output voltage		
Rated value (DC)	24 V; 48 V, 125 V	
Rated value (AC)	24 V; 48 V (50 - 60 Hz)	

Power	
Power available from the backplane bus	2 W
Power loss	
Power loss, typ.	3.8 W
Digital outputs	
Number of digital outputs	16
Current-sinking	Yes
Current-sourcing	Yes
Limitation of inductive shutdown voltage to	200 V (suppressor diode)
Controlling a digital input	Yes
Switching capacity of the outputs	
with resistive load, max.	0.5 A
● on lamp load, max.	40 W; At 125 V DC, 10 W at 48 V UC, 5 W at 24 V UC
Output voltage	
● for signal "1", min.	L+ (-1.0 V)
Output current	
● for signal "1" rated value	0.5 A
• for signal "1" permissible range, max.	0.6 A
Output delay with resistive load	
• "0" to "1", max.	5 ms
● "1" to "0", max.	5 ms
Parallel switching of two outputs	
• for logic links	Yes
● for uprating	No
for redundant control of a load	Yes
Switching frequency	
with resistive load, max.	25 Hz
with inductive load, max.	0.5 Hz
• on lamp load, max.	10 Hz
Total current of the outputs	
Current per channel, max.	0.5 A
Current per group, max.	0.5 A
Current per module, max.	8 A
Cable length	
• shielded, max.	1 000 m
	600 m
• unshielded, max.	000 III
nterrupts/diagnostics/status information	
Substitute values connectable	Yes
Diagnostics indication LED	V 0 150
• RUN LED	Yes; Green LED
• ERROR LED	Yes; Red LED

Channel status display
 for module diagnostics
 Yes; Green LED
 Yes; Red LED

Potential separation Potential separation channels Yes • between the channels 1 • between the channels, in groups of Yes • between the channels and backplane bus Permissible potential difference between different circuits 125 V DC/48 V AC 1 200V DC Isolation tested with Ambient temperature during operation 0°C • horizontal installation, min. 60 °C • horizontal installation, max. 0°C • vertical installation, min. 40 °C • vertical installation, max. Decentralized operation Prioritized startup Yes Width 35 mm Height 147 mm Depth 129 mm Weights

230 g

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Weight, approx.