## **SIEMENS**

## **Data sheet**

## 6ES7522-5FH00-0AB0



SIMATIC S7-1500, digital output module DQ 16x230 V AC/1 A ST; TRIAC; 16 channels in groups of 2; 2 A per group; Substitute value: Front connector (screw terminals or push-in) to be ordered separately

Figure similar

DQ 16x230VAC/1A ST (Triac)
From FS01
V 1.2.0
Yes
Yes; I&M0 to I&M3
No
Yes
V13 SP1 / -
V5.5 SP3 / -
V1.0 / V5.1
V2.3 / -
Yes
No
No
No
Yes
Yes; FW V1.2.0 or higher
230 V; 120/230 V AC, 50/60 Hz
1.2 W
11.1 W
Triac
16
Yes
Yes
Yes
No
6.3 A melting fuse, slow-blow
4
1 A
50 W

Output voltage	
• for signal "1", min.	L1 (-1.5 V) at maximum output current; L1 (-8.5 V) at minimum output current
Output current	( 1.0 + ) at the super out of the first out of the super out of the su
for signal "1" rated value	1 A
• for signal "1" permissible range, min.	10 mA
• for signal "1" permissible range, max.	15 A; max. 1 AC cycle
for signal "0" residual current, max.	2 mA
Output delay with resistive load	ZIIIA
• "0" to "1", max.	1 AC cycle
• "1" to "0", max.	1 AC cycle
Parallel switching of two outputs	1 AC Cycle
• for logic links	No
	No
• for uprating	
for redundant control of a load	Yes
Switching frequency	40.11
with resistive load, max.	10 Hz
with inductive load, max.	0.5 Hz
on lamp load, max.	1 Hz
Total current of the outputs	
Current per channel, max.	1 A; see additional description in the manual
<ul> <li>Current per group, max.</li> </ul>	2 A; see additional description in the manual
Current per module, max.	10 A; see additional description in the manual
Cable length	
• shielded, max.	1 000 m
• unshielded, max.	600 m
Interrupts/diagnostics/status information	
Diagnostics function	No
Substitute values connectable	Yes
Alarms	
Diagnostic alarm	No
Maintenance interrupt	Yes; maintenance alarm for switching cycle counter
Diagnoses	
Monitoring the supply voltage	No
Wire-break	No
Short-circuit	No
Diagnostics indication LED	
• RUN LED	Yes; green LED
• ERROR LED	Yes; red LED
<ul> <li>Monitoring of the supply voltage (PWR-LED)</li> </ul>	No
Channel status display	Yes; green LED
for channel diagnostics	No
• for module diagnostics	Yes; red LED
Potential separation	100,100 LLD
Potential separation channels	Na
between the channels	No
between the channels, in groups of	2
between the channels and backplane bus	Yes
Permissible potential difference	
between different circuits	250 V AC between the channels and the backplane bus; 500 V AC between the channels
Isolation	
Isolation tested with	3 100 V DC
Standards, approvals, certificates	
Suitable for safety functions	No
Ambient conditions	
Ambient temperature during operation	0.00
horizontal installation, min.	0 °C
<ul><li>horizontal installation, min.</li><li>horizontal installation, max.</li></ul>	60 °C
horizontal installation, min.	

Dimensions		
Width	35 mm	
Height	147 mm	
Depth	129 mm	
Weights		
Weight, approx.	310 g	

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