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



DQ 16x230VAC/1A ST (Triac)
From FS01
V1.3.0
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 V1.3.0 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

Switching conceits of the subsute	
Switching capacity of the outputs	1 Δ
with resistive load, max.	1 A 50 W
on lamp load, max.	50 W
Output voltage	14(45) of maximum order to compare $14(05)$ of minimum order to compare
• for signal "1", min.	L1 (-1.5 V) at maximum output current; L1 (-8.5 V) at minimum output current
Output current	
• for signal "1" rated value	1A
• 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	
• "0" to "1", max.	1 AC cycle
• "1" to "0", max.	1 AC cycle
Parallel switching of two outputs	Ne
• for logic links	No
• for uprating	No
for redundant control of a load	Yes
Switching frequency	10 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
• Current per group, max.	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
Monitoring of the supply voltage (PWR-LED)	No
Channel status display	Yes; green LED
for channel diagnostics	No
for module diagnostics	Yes; red LED
Potential separation	
Potential separation channels	
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
la diction	channels
Isolation	0.400.1/ DO
Isolation tested with	3 100 V DC
Standards, approvals, certificates	
Suitable for safety functions	No
Ecological footprint	
environmental product declaration	Yes
Global warming potential	
 global warming potential, (total) [CO2 eq] 	43.8 kg

 — global warming potential, (during production) [CO2 eq] 	9.5 kg
— global warming potential, (during operation) [CO2 eq]	34.5 kg
 global warming potential, (after end of life cycle) [CO2 eq] 	-0.231 kg
product functions / security / header	
signed firmware update	No
data integrity	No
Ambient conditions	
Ambient temperature during operation	
 horizontal installation, min. 	-25 °C; from FS04
 horizontal installation, max. 	60 °C
 vertical installation, min. 	-25 °C; from FS04
 vertical installation, max. 	40 °C
Dimensions	
Width	35 mm
Height	147 mm
Depth	129 mm
Weights	
Weight, approx.	310 g

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