SIEMENS

Data sheet

6ES7132-6BF00-0CA0

SIMATIC ET 200SP, DIGITAL OUTPUT MODULE, DQ 8X24VDC/0,5A HIGH FEATURE FITS TO BU-TYPE A0, COLOR CODE CC02, CHANNEL DIAGNOSIS



Figure similar

General information		
Product type designation	ET 200SP, DQ 8x24VDC/0,5A HF, PU 1	
Firmware version	V2.0	
 FW update possible 	Yes	
usable BaseUnits	BU type A0	
Color code for module-specific color identification	CC02	
plate		
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 / -	
 PCS 7 configurable/integrated as of version 	V8.1 SP1	
 PROFIBUS as of GSD version/GSD revision 	One GSD file each, Revision 3 and 5 and higher	
 PROFINET as of GSD version/GSD revision 	GSDML V2.3	
Operating mode		
• DQ	Yes	
 DQ with energy-saving function 	No	

• PWM	No
Oversampling	No
• MSO	Yes
Supply voltage	
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Reverse polarity protection	Yes
Output voltage	
Rated value (DC)	24 V
Power loss	
Power loss, typ.	1 W
A.1.	
Address area Address space per module	
	8 byte; 2 channels per submodule + QI information
Address space per module, max.	o byte, 2 chainles per submodule - Qrimornation
Digital outputs	
Number of digital outputs	8
Current-sinking	No
Current-sourcing	Yes
Short-circuit protection	
 Response threshold, typ. 	0.7 to 1.3 A
Limitation of inductive shutdown voltage to	Typ. L+ (-50 V)
Controlling a digital input	Yes
Switching capacity of the outputs	
• with resistive load, max.	0.5 A
● on lamp load, max.	5 W
Load resistance range	
• lower limit	48 Ω
• upper limit	12 kΩ
Output current	
• for signal "1" rated value	0.5 A
• for signal "0" residual current, max.	0.1 mA
Output delay with resistive load	
• "0" to "1", typ.	50 μs
• "1" to "0", typ.	100 μs
Parallel switching of two outputs	
• for uprating	No
for redundant control of a load	Yes
Switching frequency	
with resistive load, max.	100 Hz

with inductive load, max.	2 Hz
• on lamp load, max.	10 Hz
Total current of the outputs	
 Current per channel, max. 	0.5 A
 Current per module, max. 	4 A
Total current of the outputs (per module)	
horizontal installation	
— up to 60 °C, max.	4 A
vertical installation	
— up to 50 °C, max.	4 A; in all other mounting positions
Cable length	
• shielded, max.	1 000 m
• unshielded, max.	600 m
Isochronous mode	Yes
Isochronous operation (application synchronized up to terminal)	res
Execution and activation time (TCO), min.	48 μs
Bus cycle time (TDP), min.	500 µs
Interrupts/diagnostics/status information	
Diagnostics	Yes
Substitute values connectable	Yes
Alarms	
Diagnostic alarm	Yes
Diagnostic messages	
 Monitoring the supply voltage 	Yes
Wire-break	Yes; channel by channel
Short-circuit	Yes; channel by channel
Group error	Yes
Diagnostics indication LED	
Monitoring of the supply voltage (PWR-LED)	Yes; green PWR LED
Channel status display	Yes; Green LED
 for channel diagnostics 	Yes; Red LED
 for module diagnostics 	Yes; green/red DIAG LED
Potential separation	
Potential separation channels	
between the channels	No
• between the channels and backplane bus	Yes
Permissible potential difference	
between different circuits	75 V DC/60 V AC (base isolation)
Isolation	

Isolation tested with	707 V DC (type test)
Dimensions	
Width	15 mm
Height	73 mm
Depth	58 mm
Weights	
Weight, approx.	30 g
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