



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

Figure similar

Product type designation	
General information	
Firmware version	V1.2
Usable BaseUnits	BU type A0
Color code for module-specific color identification plate	CC02
Product function	
• I&M data	Yes
Engineering with	
• STEP 7 TIA Portal can be configured/integrated as of version	V13 / V13
• STEP 7 can be configured/integrated as of version	V5.5 SP3 / -
• PROFIBUS as of GSD version/GSD revision	GSD Revision 5
• PROFINET as of GSD version/GSD revision	V2.3 / -
Operating mode	
• 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
Power losses	
Power loss, typ.	1 W

Address area	
Address space per module	
• Address space per module, max.	1 byte; + 1 byte for QI information
Digital outputs	
Number of digital outputs	8
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 k Ω
Output voltage	
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 μ s
• "1" to "0", typ.	100 μ s
Parallel switching of 2 outputs	
• for increased power	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
Aggregate current of the outputs	
• Max. current per module	4 A
Aggregate current of outputs (per group)	
horizontal installation	
vertical installation	
Total current of the outputs (per module)	
horizontal installation	
vertical installation	
Output current per channel	
horizontal installation	
vertical installation	
Relay outputs	
Switching capacity of contacts	

Triac outputs	
Cable length	
• Cable length, shielded, max.	1 000 m
• Cable length unshielded, max.	600 m
Isochronous mode	
Isochronous operation (application synchronized up to terminal)	Yes
Execution and activation time (TCO), min.	48 µs
Bus cycle time (TDP), min.	500 µs
Interrupts/diagnostics/status information	
Substitute values connectable	Yes
Alarms	
• Diagnostic alarm	Yes
Diagnostic messages	
• Monitoring the supply voltage	Yes
• Wire break	Yes
• Short circuit	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
Galvanic isolation	
Electrical isolation channels	
• between the channels	No
• between the channels and the backplane bus	Yes
Permissible potential difference	
between different circuits	75 V DC/60 V AC (base isolation)
Isolation	
Isolation checked with	707 V DC (type test)
tested with	
Ambient conditions	
Operating temperature	
Extended ambient conditions	
Relative humidity	
Resistance	
Connection method	
ET-Connection	
Dimensions	

Width	15 mm
Weights	
Weight, approx.	30 g
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