SIEMENS

Datasheet

6ES7132-6BD20-0CA0



SIMATIC ET 200SP, DIGITAL OUTPUT MODULE, DQ 4X24VDC/2A STANDARD, FITS TO BU-TYPE A0, COLOR CODE CC02, CHANNEL DIAGNOSIS

Product type designation

General information	
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
Output voltage	
Rated value (DC)	24 V
Power losses	

1 W

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	4
Current-sourcing	Yes
short-circuit protection	Yes
 Response threshold, typ. 	2.8 to 5.2 A
Limitation of inductive shutdown voltage to	L+ -(37 to 41V)
Controlling a digital input	Yes; Minimum current consumption 7 mA
Switching capacity of the outputs	
 with resistive load, max. 	2 A
 on lamp load, max. 	10 W
Load resistance range	
• lower limit	12 Ω
• upper limit	3 400 Ω
Output voltage	
Output current	
 for signal "1" rated value 	2 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 2 outputs	
 for increased power 	No
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 	8 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	Var
Isochronous operation (application synchronized up to terminal)	Yes
Bus cycle time (TDP), min.	500 μs
Jitter, max.	8 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
last modified:	01.12.2014