SIEMENS

Data sheet

6ES7132-6BF00-0CA0



SIMATIC ET 200SP, digital output module, DQ 8x 24VDC/0.5A High Feature, source output PNP, source output, Packing unit: 1 unit, suitable for BU type A0, color code CC02, Channel diagnostics for: Short-circuit and wire break; supply voltage, channel fault LED

Figure similar

Control Information DQ 8x24 V DC/I0.5 A HF	F SOURCE IN		
HW functional status From FS07 Firmware version FV ps Supply voltage From FS07 Firmware version FV ps Update possible Update pseudout function I all M data I product function I all M data I product function I all M data I person function I size P 7 TIA Portal configurable/integrated from version STEP 7 Ton figurable/integrated from version FPCS 7 configurable/integrated from version PPCS 7 configurable/integrated from version PPCFIBUS from GSD version/GSD revision No PPCFIBUS from GSD fro	General information		
Firmware version • FW update possible • FW update possible ves subble BaseJuhits Color code for module-specific color identification plate CC02 Product function • I&M data • Isochronous mode Finding and the state of	Product type designation	DQ 8x24 V DC/0.5 A HF	
FW update possible usable BaseUnits BU type A0 Color code for module-specific color identification plate CC02 Product function I&M data	HW functional status	From FS07	
usable BaseUnits Color code for module-specific color identification plate CC02 Product function I&M data Sischronous mode Engineering with STEP 7 TIA Portal configurable/integrated from version STEP 7 Ton Portal configurable/integrated from version STEP 7 Ton Figurable/integrated from version PC5 7 configurable/integrated from version PC5 8 configurable/integrated from version PC5 9 configurable/integrated	Firmware version		
Color code for module-specific color identification plate Product function I &M data Secontronous mode Yes Engineering with STEP 7 TIA Portal configurable/integrated from version STEP 7 Configurable/integrated from version PCS 7 configurable/integrated from version PROFIBUS from GSD version/GSD revision PROFIBUS from GSD version/GSD revision PROFIBUT version GSD file each, Revision 3 and 5 and higher PROFIBUT version GSD file each, Revision 3 and 5 and higher PROFIBUT version GSD file each, Revision 3 and 5 and higher PROFIBUT version GSD file each, Revision 3 and 5 and higher PROFIBUT version GSD file each, Revision 3 and 5 and higher PROFIBUT version S version/GSD revision PROFIBUT version GSD file each, Revision 3 and 5 and higher PROFIBUT version 4 and higher PROFIBUT version 4 and higher PROFIBUT version 4 and higher PROFIBUT vers	FW update possible	Yes	
Product function NaM data Yes; NaM0 to NaM3	usable BaseUnits	BU type A0	
I Name of the section of the sectio	Color code for module-specific color identification plate	CC02	
Isochronous mode	Product function		
Engineering with STEP 7 TIA Portal configurable/integrated from version STEP 7 configurable/integrated from version PCS 8 configurable/integrated from version PCS 9 configurable/integrated from version PCS 9 configurable/integrated from version PCS 9 configurable/integrated from version PCS 7 configurable/integrated from version PCS 9 configurable/integrated from ve	● I&M data	Yes; I&M0 to I&M3	
STEP 7 TIA Portal configurable/integrated from version STEP 7 configurable/integrated from version PCS 7 configurable/integrated from version PCS 7 configurable/integrated from version PCS 7 configurable/integrated from version PROFIBUS from GSD version/GSD revision PROFINET from GSD version/GSD revision PROFINET from GSD version/GSD revision PCSDML V2.3 Operating mode DQ PCSDML V2.3 Operating mode DQ PCSDML V2.3 Oversampling No Oversampling No Oversampling No PCSDML V2.3 Supply voltage Rated value (DC) Permissible range, lower limit (DC) Permissible range, upper limit (DC) Permissible range, upper limit (DC) PCOWER loss POwer loss Power loss, typ. Address area Address space per module Address space per module, max. B byte; 2 channels per submodule + QI information Hardware configuration Automatic encoding Mechanical coding element Type of mechanical coding element	Isochronous mode	Yes	
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PROFIBUS from GSD version/GSD revision PROFINET from GSD version/GSD revision GSDML V2.3 Operating mode PQ PG	 STEP 7 configurable/integrated from version 	V5.5 / -	
PROFINET from GSD version/GSD revision Operating mode DQ Yes DQ with energy-saving function No PWM Oversampling MSO Yes Supply voltage Rated value (DC) Permissible range, lower limit (DC) Permissible range, upper limit (DC) Permissible range, upper limit (DC) Permissible range, upper limit (DC) Power loss Rated value (DC) Address area Address space per module Address space per module, max. 8 byte; 2 channels per submodule + QI information Hardware configuration Automatic encoding Mechanical coding element Yes Type of mechanical coding element Type A	 PCS 7 configurable/integrated from version 	V8.1 SP1	
Operating mode • DQ • DQ with energy-saving function • PWM • Oversampling • MSO • MSO Supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC) permissible range, upper limit (DC) 28.8 V Reverse polarity protection ves atted value (DC) Power loss Power loss, typ. Address space per module • Address space per module, max. Byte; 2 channels per submodule + QI information Hardware configuration Automatic encoding • Mechanical coding element • Type of mechanical coding element	 PROFIBUS from GSD version/GSD revision 	One GSD file each, Revision 3 and 5 and higher	
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Power loss, typ. 1 W Address area Address space per module • Address space per module, max. 8 byte; 2 channels per submodule + QI information Hardware configuration Automatic encoding Yes • Mechanical coding element Yes • Type of mechanical coding element Type A	Rated value (DC)	24 V	
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 Address space per module, max. B byte; 2 channels per submodule + QI information Hardware configuration Automatic encoding Mechanical coding element Type of mechanical coding element Type A 	Address space per module		
Hardware configuration Automatic encoding • Mechanical coding element • Type of mechanical coding element Type A	·	8 byte; 2 channels per submodule + QI information	
Automatic encoding • Mechanical coding element • Type of mechanical coding element Type A			
 Mechanical coding element Type of mechanical coding element Type A 		Yes	
Type of mechanical coding element Type A	-		
	-		
Oblocion of Educomic for Commodicin Variante	Selection of BaseUnit for connection variants		

a 1 wire connection	DII tyma AO
• 1-wire connection	BU type A0
2-wire connection 3 wire connection	BU type A0 with ALIX terminals or potential distributor module
3-wire connection4-wire connection	BU type A0 + Potential distributor module
Digital outputs	BU type A0 + Potential distributor module
Type of digital output	Source output (PNP, current-sourcing)
Number of digital outputs	8
Current-sinking	No
Current-sourcing	Yes
Digital outputs, parameterizable	Yes
Short-circuit protection	Yes
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	50
• "0" to "1", typ.	50 μs
• "1" to "0", typ.	100 μs
Parallel switching of two outputs	No
• for uprating	No Voo
for redundant control of a load Switching from the control of a load	Yes
Switching frequency • with resistive load, max.	100 Hz
with resistive load, max. with inductive load, max.	2 Hz
• on lamp load, max.	10 Hz
Total current of the outputs	10112
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
Cable length	
shielded, max.	1 000 m
• unshielded, max.	600 m
Isochronous mode	
Execution and activation time (TCO), min.	48 µs
Bus cycle time (TDP), min.	500 μs
Interrupts/diagnostics/status information	
Diagnostics function	Yes
Substitute values connectable	Yes
Alarms	
Diagnostic alarm	Yes
Diagnoses	
 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
 between the channels and the power supply of the electronics 	No
Isolation	
Isolation tested with	707 V DC (type test)
Standards, approvals, certificates	
Suitable for safety functions	No
Suitable for safety-related tripping of standard modules	No; see FAQ Entry ID: 39198632
Highest safety class achievable in safety mode	
 Performance level according to ISO 13849-1 	PL d
• SIL acc. to IEC 61508	SIL 2
Ambient conditions	
Ambient temperature during operation	
 horizontal installation, min. 	-30 °C; < 0 °C as of FS07
 horizontal installation, max. 	60 °C
 vertical installation, min. 	-30 °C; < 0 °C as of FS07
vertical installation, max.	50 °C
Altitude during operation relating to sea level	
 Installation altitude above sea level, max. 	5 000 m; Restrictions for installation altitudes > 2 000 m, see manual
Dimensions	
Width	15 mm
Height	73 mm
Depth	58 mm
Weights	
Weight, approx.	30 g

last modified: 8/16/2023 🖸