6ES7132-6BF61-0AA0

Data sheet



SIMATIC ET 200SP, Digital output module, DQ 8x 24V DC/0,5A Sink Basic, Sink output (NPN, M-switching), Packing unit: 1 piece, fits to BU-type A0, Colour Code CC01, substitute value output, module diagnostics for: supply voltage

General information	
Product type designation	DQ 8x24VDC/0,5A SNK BA
HW functional status	From FS02
Firmware version	V0.0
FW update possible	No
usable BaseUnits	BU type A0
Color code for module-specific color identification plate	CC01
Product function	
 I&M data 	Yes; I&M0 to I&M3
Isochronous mode	No
Engineering with	
 STEP 7 TIA Portal configurable/integrated from version 	V14
 STEP 7 configurable/integrated from version 	V5.5 SP3
 PROFIBUS from GSD version/GSD revision 	One GSD file each, Revision 3 and 5 and higher
PROFINET from GSD version/GSD revision	GSDML V2.3
Operating mode	
• DQ	Yes
 DQ with energy-saving function 	No
• PWM	No
 Oversampling 	No
• MSO	No
Redundancy	
Redundancy capability	Yes
Supply voltage	
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Output voltage	
Rated value (DC)	24 V
Power loss	
Power loss, typ.	1.5 W
Address area	
Address space per module	
Outputs	1 byte
Hardware configuration	
Automatic encoding	Yes
3	

Mechanical coding element	Yes
Type of mechanical coding element	type B
Digital outputs	31.
Type of digital output	Sink output (NPN)
Number of digital outputs	8
Current-sinking	Yes
Digital outputs, parameterizable	Yes
Short-circuit protection	Yes
Response threshold, typ.	1.5 A
Limitation of inductive shutdown voltage to	Typ. 47 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	3 400 Ω
Output current	
for signal "1" rated value	0.5 A
• for signal "1" permissible range, max.	0.5 A
• for signal "0" residual current, max.	5 μA
Output delay with resistive load	-
• "0" to "1", max.	300 µs
• "1" to "0", max.	600 μs
Parallel switching of two outputs	- 000 pc
• for uprating	No
for redundant control of a load	Yes
Switching frequency	100
with resistive load, max.	100 Hz
with inductive load, max.	0.5 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)	77.
horizontal installation	
— up to 60 °C, max.	4 A
vertical installation	7.7
— up to 50 °C, max.	4 A
Cable length	7.0
shielded, max.	1 000 m
unshielded, max. unshielded, max.	600 m
Interrupts/diagnostics/status information	000 III
	V
Diagnostics function	Yes
Substitute values connectable	Yes
Alarms	V
Diagnostic alarm	Yes
Diagnoses	V
Monitoring the supply voltage	Yes
Wire-break	No
Short-circuit	No
• 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	No
for module diagnostics	Yes; green/red DIAG LED
Potential separation	

Potential separation channels	
 between the channels 	No
 between the channels and backplane bus 	Yes
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
Ambient conditions	
Ambient temperature during operation	
 horizontal installation, min. 	-25 °C
 horizontal installation, max. 	60 °C
 vertical installation, min. 	-25 °C
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:	6/18/2020 🗗