SIEMENS

Data sheet

6DL1132-6BL00-0PH1



SIMATIC ET 200SP HA, digital output module, DQ 32X24VDC/0.5A HA, suitable for terminal block, H1, N0, color code CC00, channel diagnostics

Figure similar

General information	
Product type designation	DQ 32x24VDC/0.5A HA
Firmware version	V1.0
FW update possible	Yes
Usable terminal block	TB type H1 and N0
Color code for module-specific color identification plate	CC00
Product function	
● I&M data	Yes; I&M0 to I&M3
Engineering with	
 STEP 7 TIA Portal configurable/integrated from version 	V16
 STEP 7 configurable/integrated from version 	V5.6
 PCS 7 configurable/integrated from version 	V9.0
 PCS neo can be configured/integrated from version 	V3.0
 PROFINET from GSD version/GSD revision 	GSDML V2.3
Operating mode	
• DQ	Yes
 DQ with energy-saving function 	No
• PWM	No
Oversampling	No
Redundancy	
Redundancy capability	No
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
Input current	
Current consumption (rated value)	60 mA; without load
Current consumption, max.	70 mA; without load
output voltage / header	
Rated value (DC)	24 V
Power loss	
Power loss, typ.	1.6 W; minimum - typ. specification not possible because load-dependent
Address area	
Address space per module	
• Inputs	4 byte; QI of the outputs
Outputs	4 byte
Digital outputs	
Number of digital outputs	32

0 1 1 1	N
Current-sinking	No
Current-sourcing	Yes
Digital outputs, parameterizable	Yes
Short-circuit protection	Yes; Clocked electronically
Response threshold, typ.	2 A; Overload / short circuit
Open-circuit detection	No
Overload protection	Yes
Limitation of inductive shutdown voltage to	Typ. L+ (-53 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	40.0
• lower limit	48 Ω
• upper limit	4 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	El
• "0" to "1", typ.	54 μs
• "1" to "0", typ.	48 μs
Parallel switching of two outputs	
• for uprating	No
for redundant control of a load	Yes; only outputs of the same group
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.	10 A
Total current of the outputs (per module)	
horizontal installation	
— up to 70 °C, max.	10 A
vertical installation	
— up to 60 °C, max.	10 A
Cable length	4000
shielded, max.	1 000 m
unshielded, max.	600 m
Interrupts/diagnostics/status information	
Diagnostics function	Yes
Substitute values connectable	Yes
Alarms	
Diagnostic alarm	Yes
Diagnoses	
Monitoring the supply voltage	Yes
— parameterizable	Yes
Wire-break	No
Short-circuit	Yes
Short-circuit to M	Yes; channel by channel
Short-circuit to L+	No
Group error	Yes
Diagnostics indication LED	
MAINT LED	Yes; Yellow 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	1 500 V DC/1 min, type test	
Ambient conditions		
Ambient temperature during operation		
 horizontal installation, min. 	-40 °C	
 horizontal installation, max. 	70 °C	
 vertical installation, min. 	-40 °C	
 vertical installation, max. 	60 °C	
Dimensions		
Width	22.5 mm	
Height	115 mm	
Depth	138 mm	
Weights		
Weight, approx.	150 g	

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