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Data sheet 6DL1132-6BF20-0PK0



SIMATIC ET 200SP HA, digital output module, DQ 8x24 V DC/2 A suitable for terminal block, K0, color code CC01, channel diagnostics

General information	
Product type designation	DQ 8x24VDC/2A HA
Firmware version	V1.0.0
● FW update possible	Yes
Usable terminal block	type K0 (see system manual for details)
Color code for module-specific color-coded label	CC42
Product function	
● I&M data	Yes; I&M0 to I&M3
Engineering with	
● STEP 7 configurable/integrated from version	V5.6.2.10 or higher
● PCS 7 configurable/integrated from version	PCS 7 V10.0.1
Operating mode	
● DQ	Yes
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, max.	40 mA; without load
Output voltage	
Rated value (DC)	24 V
Address area	
Address space per module	
● Inputs	1 byte; QI of the outputs
● Outputs	1 byte
Digital outputs	
Number of digital outputs	8
Current-sinking	No
Current-sourcing	Yes
Short-circuit protection	Yes; Clocked electronically
● Response threshold, typ.	3.4 A; Overload / short circuit
Open-circuit detection	No
Overload protection	Yes
Limitation of inductive shutdown voltage to	-27 V
Controlling a digital input	Yes
Switching capacity of the outputs	

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● with resistive load, max.	2 A
● with inductive load, max.	2 A
● on lamp load, max.	10 W
Load resistance range	
● lower limit	12 Ω
● upper limit	4 kΩ
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.	80 µs
● "1" to "0", typ.	300 µs
Parallel switching of two outputs	
● for uprating	No
● for redundant control of a load	No
Switching frequency	
● with resistive load, max.	100 Hz
● with inductive load (acc. to IEC 60947-5-1, DC13), max.	0.2 Hz
● on lamp load, max.	10 Hz
Total current of the outputs	
● Current per channel, max.	2 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	
● shielded, max.	1 000 m
● unshielded, max.	600 m
Interrupts/diagnostics/status information	
Substitute values connectable	Yes
Alarms	
● Diagnostic alarm	Yes
Diagnoses	
● Monitoring the supply voltage	Yes
— Parameterizable	Yes
● Wire break	No
● Short-circuit to ground	Yes; channel by channel; valid for clocked operation < 1 Hz
● Short-circuit to L+	No
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	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
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	

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Width	22.5 mm
Height	115 mm
Depth	138 mm

Weights

Weight, approx.	142 g

Classifications

	Version	Classification
eClass	16	27-24-26-04
eClass	14	27-24-26-04
eClass	12	27-24-26-04
eClass	9.1	27-24-26-04
eClass	9	27-24-26-04
eClass	8	27-24-26-04
eClass	7.1	27-24-26-04
eClass	6	27-24-26-04
ETIM	10	EC001599
ETIM	9	EC001599
ETIM	8	EC001599
ETIM	7	EC001599

Approvals / Certificates

General Product Approval

EG-Konf. UKCA UL RCM EG-Konf. UKCA

General Product Approval		For use in hazardous locations			
KC	Manufacturer Declaration	Declaration of Conformity	CCC	UL	ATEX

For use in hazardous locations

Miscellaneous IECEx

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