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Data sheet 6DL1132-6FF00-0PK0



SIMATIC ET 200SP HA, digital output module, DQ 8x 24..230 V AC/2 A HA
suitable for terminal block, K0, color code CC01, channel diagnostics

General information	
Product type designation	DQ 8x24..230VAC/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	CC40
Product function	
● I&M data	Yes; I&M0 to I&M3
Engineering with	
● PCS 7 configurable/integrated from version	V9.1 SP2
Operating mode	
● DQ	Yes
Redundancy	
● Redundancy capability	No
CiR - Configuration in RUN	
Reparameterization possible in RUN	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
Input current	
Current consumption (rated value)	6 mA
Current consumption, max.	20 mA
Power loss	
Power loss, typ.	8.6 W; active power, load voltage 230 V AC, total current 10 A
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; Fuse
Open-circuit detection	No
Controlling a digital input	Yes
Switching capacity of the outputs	
● with resistive load, max.	2 A

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● on lamp load, max.	100 W
Output voltage	
● for signal "1", min.	20.4 V
Output current	
● for signal "1" rated value	2 A
● for signal "1" permissible range, min.	10 mA
● for signal "1" permissible range, max.	2 A
● for signal "0" residual current, max.	460 µA
Output delay with resistive load	
● "0" to "1", max.	10 ms
● "1" to "0", max.	10 ms
Parallel switching of two outputs	
● for logic links	No
● for uprating	No
Switching frequency	
● with resistive load, max.	10 Hz
● with inductive load, max.	0.5 Hz
● on lamp load, max.	1 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 40 °C, max.	10 A
— up to 50 °C, max.	8 A
— up to 60 °C, max.	6 A
— up to 70 °C, max.	4 A
vertical installation	
— up to 40 °C, max.	6 A
— up to 50 °C, max.	5 A
— up to 60 °C, max.	4 A
Cable length	
● shielded, max.	1 000 m
● unshielded, max.	600 m
Interrupts/diagnostics/status information	
Diagnostics function	Yes
Substitute values connectable	Yes
Alarms	
● Diagnostic alarm	Yes
● Maintenance interrupt	Yes
Diagnoses	
● Diagnostic information readable	Yes
● Monitoring the supply voltage	Yes
— parameterizable	Yes
● Wire break	No
● Short-circuit	No
● Short-circuit to ground	No
● Short-circuit to L+	No
Diagnostics indication LED	
● RUN LED	Yes
● ERROR LED	Yes
● MAINT LED	Yes; Yellow LED
● Monitoring of the supply voltage (PWR-LED)	Yes; green PWR LED (also monitors backplane bus voltage)
● 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	Yes

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● between the channels and backplane bus	Yes
● between the channels and the power supply of the electronics	Yes
Permissible potential difference	
between different circuits	between the channels: 230 V AC (same system phase) / 120 V AC (different system phase);
Isolation	
Isolation tested with	1 500 V DC/1 min, type test
tested with	
● between channels and backplane bus/supply voltage	4 200 V DC/1 min, type test
● between backplane bus and supply voltage	1 500 V DC/1 min, type test
● Between channels	1 500 V AC/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.	148 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

UL RCM UKCA EG-Konf. KC

Manufacturer Declaration

For use in hazardous locations

Declaration of Conformity CCC UL IECEx ATEX

Miscellaneous

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