SIEMENS

Data sheet 6DL1132-6HD50-0PK0

Siemens EcoTech

SIMATIC ET 200SP HA, Signal relay module changeover contact, RQ 4x120VDC-230VAC/5A CO HA suitable for terminal block K0, color code CC40, module diagnostics



General information	
Product type designation	RQ 4x120VDC-230VAC/5A CO HA
Firmware version	V1.0
● 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	
● 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
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)	50 mA; At 24 V and energized changeover coils
Current consumption, max.	60 mA; At 19.2 V and energized changeover coils
Power loss	
Power loss, typ.	2.8 W; At 24 V, energized changeover coils and 5 A current across each changeover contact
Address area	
Address space per module	
● Address space per module, max.	1 byte; + 1 byte for QI information
Digital outputs	
Number of digital outputs	4
Switching frequency	
● with resistive load, max.	2 Hz
● with inductive load, max.	0.5 Hz
● on lamp load, max.	2 Hz

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Relay outputs	
● Number of relay outputs	4
● external protection for relay outputs	yes; 6 A, see data in manual
Switching capacity of contacts	
— with inductive load, max.	2 A; 2 A (24 V DC), 0.5 A (60 V DC), 0.1 A (120 V DC)
— with resistive load, max.	5 A; 5 A (30 V DC), 5 A (230 V AC)
— Switching current, min.	8 mA
— Rated switching voltage (DC)	24 V; 24 V DC to 120 V DC
— Rated switching voltage (AC)	230 V; 24V AC to 230V AC
Cable length	
● shielded, max.	1 000 m
● unshielded, max.	200 m
Interrupts/diagnostics/status information	
Diagnostics function	Yes
Substitute values connectable	Yes
Alarms	
● Diagnostic alarm	Yes
Diagnoses	
● Monitoring the supply voltage	Yes
— parameterizable	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 module diagnostics	Yes; green/red DIAG LED
Potential separation	
Potential separation channels	
● between the channels	Yes
● between the channels and backplane bus	Yes
● Between the channels and load voltage L+	Yes
Permissible potential difference	
between different circuits	Between channels: 230 V AC (different system phase)
between channels and backplane bus/supply voltage	230 V AC
Isolation	
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; No icing
● horizontal installation, max.	70 °C
● vertical installation, min.	-40 °C; No icing
● vertical installation, max.	60 °C
Altitude during operation relating to sea level	
● Ambient air temperature-barometric pressure-altitude	3 000 m due to converter type used
Dimensions	
Width	22.5 mm
Height	115 mm
Depth	138 mm
Weights	
Weight, approx.	162 g
Classifications	

	Version	Classification
eClass	16	27-24-26-04
eClass	14	27-24-26-04
eClass	12	27-24-26-04

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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

Miscellaneous

General Product Approval

China RoHS

Manufacturer Declaration

Miscellaneous

For use in hazardous locations

Declaration of Conformity

Maritime application

Maritime application

NK / Nippon Kaiji Kyokai

CCS (China Classification Society)

Environment

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