

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 4x120 V UC ... 230 V AC/5 A CO HA
Firmware version	V1.0
• FW update possible	Yes
Color code for module-specific color identification plate	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
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	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



[Miscellaneous](#)



[China RoHS](#)



[KC](#)

General Product Approval For use in hazardous locations Maritime application



[Declaration of Con-
formity](#)



Maritime application Environment



[NK / Nippon Kaiji Ky-
okai](#)



[CCS \(China Classifica-
tion Society\)](#)



Environment



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