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Data sheet 6ES7132-6HC50-0BU0

Siemens EcoTech



SIMATIC ET 200SP, relay module, RQ CO 3x 120V DC..230VAC/5A ST, 3 CO contacts isolated contacts, packing unit: 1 unit, suitable for BU type U0, color code CC20, substitute value output, module diagnostics for supply voltage

General information	
Product type designation	RQ 3x120VDC-230VAC/5A CO ST
Firmware version	V0.0
● FW update possible	No
usable BaseUnits	BU type U0
Color code for module-specific color-coded label	CC20
Product function	
● I&M data	Yes; I&M0 to I&M3
● Isochronous mode	No
Engineering with	
● STEP 7 TIA Portal configurable/integrated from version	STEP 7 V16 or higher
● STEP 7 configurable/integrated from version	Configurable via GSD file
● PROFIBUS from GSD version/GSD revision	One GSD file each, Revision 3 and 5 and higher
● PROFINET from GSD version/GSD revision	GSDML V2.34
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)	40 mA; without load
Current consumption, max.	55 mA
Output voltage	
Rated value (AC)	230 V
Power loss	
Power loss, typ.	1.6 W
Address area	
Address space per module	
● Inputs	+ 1 byte for QI information
● Outputs	1 byte
Hardware configuration	
Automatic encoding	Yes
● Mechanical coding element	Yes
● Type of mechanical coding element	type C
Selection of BaseUnit for connection variants	
● 2-wire connection	BU type U0

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● 3-wire connection	BU type U0
Digital outputs	
Type of digital output	Relays
Number of digital outputs	3
Current-sinking	Yes
Current-sourcing	Yes
Digital outputs, parameterizable	Yes
Short-circuit protection	No
Switching capacity of the outputs	
● with resistive load, max.	5 A; for an additional description, see the Technical Data in the Equipment Manual
● with inductive load, max.	2 A; for an additional description, see the Technical Data in the Equipment Manual
Parallel switching of two outputs	
● for logic links	Yes
● for uprating	No
● for redundant control of a load	Yes
Switching frequency	
● with resistive load, max.	2 Hz
● with inductive load, max.	0.5 Hz
● on lamp load, max.	2 Hz
Total current of the outputs	
● Current per channel, max.	5 A
● Current per module, max.	15 A
Total current of the outputs (per module)	
horizontal installation	
— up to 50 °C, max.	15 A
— up to 60 °C, max.	12 A; maximum channel current 4A
vertical installation	
— up to 40 °C, max.	15 A
— up to 50 °C, max.	12 A; maximum channel current 4A
Relay outputs	
● Number of relay outputs	3; changeover contact, isolated
● Rated supply voltage of relay coil L+ (DC)	24 V
● Current consumption of relays (coil current of all relays), max.	30 mA
● external protection for relay outputs	yes, with miniature fuse max. 6.3 A tripping current, quick-response tripping characteristic and 1 500 A breaking capacity
● Number of operating cycles, max.	1 000 000; see additional description in the manual
Switching capacity of contacts	
— with inductive load, max.	2 A; see additional description in the manual
— with resistive load, max.	5 A; see additional description in the manual
— Thermal continuous current, max.	5 A; Max. 1 385 VA, 150 W
— Switching current, min.	10 mA; 5 V DC
— Rated switching voltage (DC)	24 V DC to 120 V DC
— Rated switching voltage (AC)	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
● Wire break	No
● Short-circuit	No
Diagnostics indication LED	
● Monitoring of the supply voltage (PWR-LED)	Yes; green PWR LED

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● 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
● between the channels and backplane bus	Yes
● between the channels and the power supply of the electronics	Yes
Isolation	
Isolation tested with	2 000 V DC (routine test)
tested with	
● between channels and backplane bus/supply voltage	2 000 V DC (routine test)
● between backplane bus and supply voltage	707 V DC (type test)
Standards, approvals, certificates	
Suitable for safety functions	No
Ecological footprint	
● environmental product declaration	Yes
Global warming potential	
— global warming potential, (total) [CO2 eq]	25.5 kg
— global warming potential, (during production) [CO2 eq]	3.54 kg
— global warming potential, (during operation) [CO2 eq]	22.1 kg
— global warming potential, (after end of life cycle) [CO2 eq]	-0.137 kg
Ambient conditions	
Ambient temperature during operation	
● horizontal installation, min.	-30 °C
● horizontal installation, max.	60 °C
● vertical installation, min.	-30 °C
● vertical installation, max.	50 °C
Altitude during operation relating to sea level	
● Installation altitude above sea level, max.	2 000 m
Absolute humidity	
● dew point, min.	-60 °C; suitable for dry room applications
Dimensions	
Width	20 mm
Height	73 mm
Depth	58 mm
Weights	
Weight, approx.	40 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
IDEA	4	3566

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	UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

Manufacturer Declaration

Miscellaneous

General Product Approval

China RoHS

For use in hazardous locations

For use in hazardous locations

FM

Maritime application

Maritime application

CCS (China Classification Society)

KR (Korean Register of Shipping)

Environment

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