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Data sheet 6ES7132-7HB00-0AB0



Figure similar

SIMATIC, electronic module for ET200iSP, 2 DO relay 60 V UC / 2 A, Ex eb ib mb IIC T4 Gb, Ex eb ib mb I Mb

General information	
Product brand name	SIMATIC
Product family	ET 200iSP
Product category	Digital module output
Product type designation	2DQ relay 60 V UC/2 A
HW functional status	3
Firmware version	V1.0.0
CiR - Configuration in RUN	
Reparameterization possible in RUN	Yes
Installation type/mounting	
Rack mounting	No
Front mounting	Yes
Rail mounting	Yes
Wall mounting/direct mounting	No
Supply voltage	
Type of supply voltage	DC
Input current	
Current consumption, typ.	100 mA
from load voltage (power bus), max.	120 mA
Power loss	
Power loss, typ.	1.1 W
Hardware configuration	
Fieldbus connection via separate transceiver	Yes
Digital outputs	
Type of digital output	Relays
Number of digital outputs	2
Short-circuit protection	No
Output voltage	
● Type of output voltage	AC/DC
● permissible voltage at output, min.	0 V
● permissible voltage at output, max.	72 V
Output current	
● for signal "1" rated value	2 A
Output delay with resistive load	
● "0" to "1", max.	7 ms
● "1" to "0", max.	3 ms
Parallel switching of two outputs	
● for uprating	No
● for redundant control of a load	No

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Switching frequency	
● with resistive load, max.	100 Hz
● with inductive load, max.	2 Hz
Relay outputs	
Switching capacity of contacts	
— with resistive load, up to 60 °C, max.	2 A; See data in manual
— Thermal continuous current, max.	2 A; See data in manual
Cable length	
● shielded, max.	500 m
● unshielded, max.	500 m
Interfaces	
Number of PROFINET interfaces	0
Number of RS 485 interfaces	0
Protocols	
Supports protocol for PROFINET IO	No
PROFIsafe	No
PROFIBUS	No
Interrupts/diagnostics/status information	
Substitute values connectable	Yes
Alarms	
● Diagnostic alarm	Yes; Parameterizable
● Hardware interrupt	No
Diagnoses	
● Diagnostic information readable	Yes
● Wire-break	No; Cannot be determined in contact power circuit
● Short-circuit	No; Cannot be determined in contact power circuit
Diagnostics indication LED	
● Group error SF (red)	Yes
● Status indicator digital output (green)	Yes; Per channel
Ex(i) characteristics	
maximum values for connecting terminals for gas group IIC	
● Um (voltage at non-intrinsically safe connecting terminals), max.	250 V; DC/AC
Potential separation	
between the channels and backplane bus	Yes
between channels and powerbus	Yes
Potential separation digital outputs	
● between the channels	Yes
Permissible potential difference	
between different circuits	60 V DC/30 V AC
Degree and class of protection	
IP degree of protection	IP30
Standards, approvals, certificates	
CE mark	CE 0344
UKCA mark	DEKRA 21UKEX0025 Importer UK: Siemens plc Manchester M20 2UR
cULus	LISTED E334384
FM approval	CLASSIFIED 3025852
Suitable for safety functions	No
INMETRO certificate	UL-BR 12.0078
reference designation according to IEC 81346-2 (2009)	K
Highest safety class achievable in safety mode	
● SIL acc. to IEC 61508	No
Use in hazardous areas	
● ATEX marking	II 2 G and I M2 Ex eb ib mb IIC T4 Gb Ex eb ib mb I Mb
● ATEX certificate	KEMA 07 ATEX 0108
● IECEx	IECEx KEM 07.0059
● CCC Ex	2020322310002636
● EAC Ex	PII Ex e ib mb I Mc IEx e ib mb IIC T4 Gb
● FM marking	Class I, Zone 1 AEx e ib m IIC T4 Ex e ib m IIC T4 NI, Class I, DIV.2, GP. A,B,C,D T4 Class II, III, GP. E,F,G
● Explosion protection category for gas	ATEX gas explosion protection, Zone 1

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● Explosion protection category for dust	ATEX dust explosion protection, Zone 21 always install in corresponding enclosure
● associated equipment (Ex ia)	No
● associated equipment (Ex ib)	No
Marine approval	
● Germanischer Lloyd (GL)	Yes
● American Bureau of Shipping (ABS)	Yes
● Bureau Veritas (BV)	Yes
● Det Norske Veritas (DNV)	Yes
connection method	
Design of electrical connection	Screw/spring-type terminal
Dimensions	
Width	30 mm
Height	129 mm
Depth	136.5 mm
Weights	
Weight, approx.	255 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
IDEA	4	3566
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

Miscellaneous | China RoHS | KC

For use in hazardous locations

Miscellaneous

For use in hazardous locations	Maritime application	Environment

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