SIEMENS

Data sheet 6ES7131-4RD02-0AB0



*** Spare part *** Electronics module ET 200S: 4 DI 24 V DC NAMUR, 15 mm width, with SF LED (group fault)

Supply voltage	
Rated value (DC)	24 V
Encoder supply	
Number of outputs	1
Type of output voltage	min. 8.2 V, loaded
Short-circuit protection	Yes; Electronic
Output current	
● Rated value	45 mA
Power loss	
Power loss, typ.	1.6 W
Address area	
Address space per module	
● Address space per module, max.	1 byte
● with packing	4 bit
Digital inputs	
Number of digital inputs	4
Number of NAMUR inputs	4
Input voltage	
● Type of input voltage	DC
Input current	
for 10 k switched contact	
— for signal "0", min.	0.35 mA
— for signal "0", max.	1.2 mA
— for signal "1", min.	2.1 mA
— for signal "1", max.	7 mA
for unswitched contact	
— for signal "0", max. (permissible quiescent current)	0.5 mA
— for signal "1", typ.	8 mA
for NAMUR encoders	
— for signal "0", min.	0.35 mA
— for signal "0", max.	1.2 mA
— for signal "1", min.	2.1 mA
— for signal "1", max.	7 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— at "0" to "1", max.	4.6 µs
— at "1" to "0", max.	4.6 µs
Cable length	
● shielded, max.	200 m

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Interrupts/diagnostics/status information	
Diagnostics function	Yes; Diagnostic alarm
Alarms	
● Diagnostic alarm	Yes; can be set
● Hardware interrupt	No
Diagnoses	
● Diagnostic information readable	Yes
● Wire break	Yes
Diagnostics indication LED	
● Group error SF (red)	Yes
● Status indicator digital input (green)	Yes; per channel
Potential separation	
Potential separation digital inputs	
● between the channels	No
● between the channels and backplane bus	Yes
● Between the channels and load voltage L+	Yes
Isolation	
Isolation tested with	500 V DC
Dimensions	
Width	15 mm
Height	81 mm
Depth	52 mm
Weights	
Weight, approx.	35 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
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

Miscellaneous | Manufacturer Declaration

General Product Approval | **EMV** | **For use in hazardous locations**

China RoHS

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For use in hazardous locations					
FM	ATEX	UL	ATEX	IECEx	Miscellaneous

For use in hazardous locations	Maritime application				
CCC-Ex	ABS	BUREAU VERITAS	DNV	LRS	NK / Nippon Kaiji Kyokai

Maritime application			
PRS	RINA	CCS (China Classification Society)	KR (Korean Register of Shipping)

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