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Data sheet 6ES7131-4RD02-0AB0

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

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Input voltage	
• Type of input voltage	DC
Input current	
for 10 k switched contact	
— for signal "0"	0.35 to 1.2 mA
— for signal "1"	2.1 to 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"	0.35 to 1.2 mA
— for signal "1"	2.1 to 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

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

Parameter	
Remark	12 byte

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

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Width	15 mm
Height	81 mm
Depth	52 mm

Weights	
Weight, approx.	35 g

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