

Siemens 6ES7131-4BD00-0AA0 Manual

Brand	Siemens
Product Series	Siemens
Product Type	of output voltage min. L+ (-0.5 V), under load

Description

6ES7131-4BD00-0AA0

SIMATIC DP, 5 ELECTRON. MODULES FOR ET 200S, 4 DI

STANDARD 24V DC, 15 MM WIDTH, 5 PIECES PER PACKAGING
UNIT

Supply voltage

Rated value (DC)

- 24 V DC Yes; From power module

Reverse polarity protection Yes

Input current

from supply voltage L+, max. Dependent on encoder

from backplane bus 3.3 V DC, max. 10 mA

Encoder supply

Type of output voltage min. L+ (-0.5 V), under load

Output current

- Rated value 500 mA
- permissible range, lower limit 0 mA
- permissible range, upper limit 500 mA

Power loss

Power loss, typ. 0.7 W

Address area

Address space per module

- with packing 4 bit
- without packing 1 byte

Digital inputs

Number of digital inputs 4

Input characteristic curve in accordance with IEC

61131, type 1

Yes

Input voltage

- Rated value (DC) 24 V
- for signal "0" -30 to +5V
- for signal "1" +15 to +30V

Input current

- for signal "1", typ. 7 mA; at 24 V

Input delay (for rated value of input voltage)

for standard inputs

— parameterizable No

— at "0" to "1", min. 2 ms; typically 3 ms

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- at "0" to "1", max. 4.5 ms
- at "1" to "0", min. 2 ms; typically 3 ms
- at "1" to "0", max. 4.5 ms

Cable length

- shielded, max. 1 000 m
- unshielded, max. 600 m

Encoder

Connectable encoders

- 2-wire sensor Yes
- permissible quiescent current (2-wire sensor), max.

1.5 mA

Interrupts/diagnostics/status information

Diagnostic functions No

Diagnostics indication LED

- Status indicator digital input (green) Yes

Parameter

Remark 1 byte

Potential separation

Potential separation digital inputs

- between the channels No
- between the channels and backplane bus Yes

Permissible potential difference

between different circuits 75 V DC/60 V AC

Isolation

Isolation tested with 500 V DC

Dimensions

Width 15 mm

Height 81 mm

Depth 52 mm

Weights

Weight, approx. 35 g

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