

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ES7131-6BF60-0AA0

SIMATIC ET 200SP DI 8X24 V DC SOURCE INPUT MODULE

Used with the applicable SIMATIC ET 200SP configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens data sheet for 6ES7131-6BF60-0AA0



SIMATIC ET 200SP, DIGITAL INPUT MODULE, DI 8X 24VDC
SOURCE INPUT BA, FITS TO BU-TYPE A0, COLOR CODE CC02,

Product type designation

General information

Firmware version	
• FW update possible	Yes
Usable BaseUnits	BU type A0
Color code for module-specific color identification plate	CC02

Product function

• I&M data	Yes
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Engineering with

• STEP 7 TIA Portal can be configured/integrated as of version	V13 / V13
• STEP 7 can be configured/integrated as of version	V5.5 SP3 / -
• PROFIBUS as of GSD version/GSD revision	GSD Revision 5

Operating mode

• DI	Yes
• Counter	No
• Oversampling	No
• MSI	No

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
Encoder supply	
Number of outputs	8
Power losses	
Power loss, typ.	1.5 W
Address area	
Address space per module	
• Address space per module, max.	1 byte
• Input	1 byte
Digital inputs	
Number of digital inputs	8
m/p-reading	Yes; m-reading
Input characteristic curve in accordance with IEC 61131, type 1	Yes
Input characteristic curve in accordance with IEC 61131, type 2	No
Input characteristic curve in accordance with IEC 61131, type 3	Yes
Pulse extension	No
Input voltage	
• Type of input voltage	DC
• Rated value (DC)	24 V
• for signal "0"	30 V to -5 V (reference potential is L+)
• for signal "1"	-11 V to -30 V (reference potential is L+)
Input current	
• for signal "1", typ.	6 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— Parameterizable	Yes; 0.05 / 0.1 / 0.4 / 0.8 / 1.6 / 3.2 / 12.8 / 20 ms (in each case + delay of 30 to 500 µs, depending on line length)
for interrupt inputs	
— Parameterizable	No
for counter/technological functions	
— Parameterizable	No
Cable length	
• shielded, max.	1 000 m
• Unshielded, max.	200 m
Encoder	
Connectable encoders	
• 2-wire sensor	Yes

— Permissible quiescent current (2-wire sensor), max.

1.5 mA

Isochronous mode

Isochronous operation (application synchronized up to terminal)

No

Interrupts/diagnostics/status information

Alarms

- Diagnostic alarm
- Hardware interrupt

Yes

No

Diagnostic messages

- Diagnostic information readable
- Diagnostics
- Monitoring the supply voltage
- Short circuit

Yes

Yes

Yes

No

Diagnostics indication LED

- Monitoring of the supply voltage (PWR-LED)
- Channel status display
- for channel diagnostics
- for module diagnostics

Yes; green PWR LED

Yes; Green LED

No

Yes; green/red DIAG LED

Galvanic isolation

Electrical isolation channels

- between the channels
- between the channels and the backplane bus

No

Yes

Permissible potential difference

between different circuits

75 V DC/60 V AC (base isolation)

Isolation

Isolation checked with

707 V DC (type test)

Dimensions

Width

15 mm

Weights

Weight, approx.

28 g

last modified:

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