

SIMATIC DP, Electronic module for ET 200 PRO 16 DI 24 V DC, Module diagnostics; incl. bus module, Connection module IO 6ES7194-4CB50-0AA0 order separately



Figure similar

Supply voltage	
Rated value (DC)	24 V
Reverse polarity protection	Yes; Against destruction; encoder power supply outputs applied with reversed polarity
Input current	
from supply voltage 1L+, max.	30 mA
from backplane bus 3.3 V DC, max.	20 mA
Encoder supply	
Number of outputs	8
Short-circuit protection	Yes; per module, electronic
Output current	
• up to 55 °C, max.	1 A
Power loss	
Power loss, typ.	3 W
Address area	
Address space per module	

- Address space per module, max. 2 byte

Digital inputs

Number of digital inputs	16
Input characteristic curve in accordance with IEC 61131, type 1	Yes
Number of simultaneously controllable inputs	
all mounting positions	
— up to 55 °C, max.	16
Input voltage	
• Rated value (DC)	24 V
• for signal "0"	-3 to +5V
• for signal "1"	+11 to +30V
Input current	
• for signal "1", typ.	4 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— parameterizable	No
— at "0" to "1", min.	1.2 ms
— at "0" to "1", max.	4.8 ms
— at "1" to "0", min.	0.7 ms
— at "1" to "0", max.	3 ms
Cable length	
• shielded, max.	30 m
• unshielded, max.	30 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
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Interrupts/diagnostics/status information

Diagnostics function	Yes
Alarms	
• Diagnostic alarm	Yes
Diagnostic messages	
• Diagnostic information readable	Yes
• Short-circuit	Yes; Sensor supply to M; module by module
Diagnostics indication LED	
• Group error SF (red)	Yes

- Status indicator digital input (green) Yes; Per channel

Potential separation

between backplane bus and all other circuit components Yes

Potential separation digital inputs

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

Isolation

Isolation tested with 707 V DC (type test)

Dimensions

Width 45 mm

Height 130 mm

Depth 35 mm

Weights

Weight, approx. 140 g

last modified: 04/12/2019