



SIMATIC DP, ELECTRONIC MODULES FOR ET200PRO 8 DI DC 24V HIGH FEATURE, CHANNEL DIAGNOSTICS; SHORT CIRCUIT AND WIRE BREAK; INCLUSIVE BUS MODULE CONNECTING MODULE IO 6ES7194-4..00-0AA0 MUST BE ORDERED SEPERATELY

Supply voltage	
Rated value (DC)	24 V
Reverse polarity protection	Yes; against destruction; load increasing
Input current	
from supply voltage 1L+, max.	40 mA
from backplane bus 3.3 V DC, max.	20 mA
Encoder supply	
Number of outputs	8
Short-circuit protection	Yes; per channel, electronic
Output current	
• up to 55 °C, max.	1 A
Power loss	
Power loss, typ.	2.5 W
Address area	
Occupied address area	
• Inputs	1 byte
Digital inputs	

Number of digital inputs	8
Input characteristic curve in accordance with IEC 61131, type 1	No
Input characteristic curve in accordance with IEC 61131, type 2	Yes
Number of simultaneously controllable inputs	
all mounting positions	
— up to 55 °C, max.	8
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.	7 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— parameterizable	Yes
— at "0" to "1", min.	0.5 ms; 0.5 ms/ 3ms/ 15 ms/ 20 ms
— at "0" to "1", max.	20 ms
— at "1" to "0", min.	0.5 ms; 0.5 ms/ 3ms/ 15 ms/ 20 ms
— at "1" to "0", max.	20 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
Interrupts/diagnostics/status information	
Diagnostic functions	Yes; channel by channel, parameterizable
Alarms	
• Diagnostic alarm	Yes
Diagnostic messages	
• Diagnostic information readable	Yes
• Wire-break	Yes; Monitoring, I < 0.3 mA
• Short-circuit	Yes
Diagnostics indication LED	

- Group error SF (red) Yes
- Status indicator digital input (green) Yes; Per channel

Parameter

Diagnostics wire break	channel by channel
Diagnostics short-circuit	channel by channel

Potential separation

between backplane bus and all other circuit components	Yes
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Potential separation digital inputs

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

Isolation

Isolation tested with	707 V DC (type test)
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Dimensions

Width	45 mm
Height	130 mm
Depth	35 mm; without terminal module

Weights

Weight, approx.	140 g
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last modified: 10/28/2016