

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	
<ul style="list-style-type: none"> <li>up to 55 °C, max.</li> </ul>	1 A
Power loss	
Power loss, typ.	2.5 W
Address area	
Occupied address area	
<ul style="list-style-type: none"> <li>Inputs</li> </ul>	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
<b>Number of simultaneously controllable inputs</b>	
all mounting positions	
— up to 55 °C, max.	8
<b>Input voltage</b>	
• Rated value (DC)	24 V
• for signal "0"	-3 to +5V
• for signal "1"	+11 to +30V
<b>Input current</b>	
• for signal "1", typ.	7 mA
<b>Input delay (for rated value of input voltage)</b>	
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
<b>Cable length</b>	
• shielded, max.	30 m
• unshielded, max.	30 m
<b>Encoder</b>	
<b>Connectable encoders</b>	
• 2-wire sensor	Yes
— permissible quiescent current (2-wire sensor), max.	1.5 mA
<b>Isochronous mode</b>	
Isochronous operation (application synchronized up to terminal)	No
<b>Interrupts/diagnostics/status information</b>	
Diagnostic functions	Yes; channel by channel, parameterizable
<b>Alarms</b>	
• Diagnostic alarm	Yes
<b>Diagnostic messages</b>	
• Diagnostic information readable	Yes
• Wire-break	Yes; Monitoring, I < 0.3 mA
• Short-circuit	Yes
<b>Diagnostics indication LED</b>	

- 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

#### 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; without terminal module

### Weights

Weight, approx. 140 g

**last modified:** 11/19/2016