

SIMATIC DP, Basic module BM 141 ET 200ECO: 8 DI 24 V DC;  
8xM12, single assignment, Degree of protection IP65/67; Connection  
block 6ES7194-3AA00-0.A0 separately order



General information	
Vendor identification (VendorID)	80DBh
Supply voltage	
Rated value (DC)	24 V
Reverse polarity protection	Yes
Input current	
from supply voltage 1L+, max.	70 mA; Typical
Encoder supply	
Number of outputs	8
Type of output voltage	24 V DC
Short-circuit protection	Yes; Electronic
Output current	
• Rated value	1 A; Aggregate current up to 55 °C
Power loss	
Power loss, typ.	2.4 W
Digital inputs	
Number of digital inputs	8

Input characteristic curve in accordance with IEC 61131, type 1	Yes
<b>Number of simultaneously controllable inputs</b>	
all mounting positions	
— up to 55 °C, max.	8
<b>Input voltage</b>	
• Type of input voltage	DC
• Rated value (DC)	24 V
• for signal "0"	-3 to +5V
• for signal "1"	13 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	
— at "0" to "1", max.	3 ms; Typical
— at "1" to "0", max.	3 ms; Typical
<b>Cable length</b>	
• 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>Interfaces</b>	
<b>PROFIBUS DP</b>	
• Transmission rate, max.	12 Mbit/s; 9,6 / 19,2 / 45,45 / 93,75 / 187,5 / 500 kbit/s; 1,5 / 3 / 6 / 12 Mbit/s
<b>Protocols</b>	
PROFIBUS DP	Yes
<b>Interrupts/diagnostics/status information</b>	
Alarms	No
<b>Diagnostic messages</b>	
• Diagnostic information readable	Yes
<b>Diagnostics indication LED</b>	
• Group error SF (red)	Yes
• Status indicator digital input (green)	Yes
• Channel fault indicator F (red)	No
<b>Potential separation</b>	
between PROFIBUS DP and all other circuit components	Yes
<b>Potential separation digital inputs</b>	

• between the channels

No

#### Permissible potential difference

between different circuits

75 V DC/60 V AC

#### Isolation

Isolation tested with

500 V DC

#### Degree and class of protection

IP degree of protection

IP65/67

#### Standards, approvals, certificates

Suitable for safety functions

No

#### Connection method

Design of electrical connection

4/5-pin M12 circular connectors

#### Dimensions

Width

60 mm

Height

210 mm

Depth

28 mm

#### Weights

Weight, approx.

210 g

**last modified:**

08/16/2019