

SIMATIC DP, BASIC MODULE BM141 ET 200ECO: 16DI 24V DC; 8 X M12,DOUBLE-ASSIGNMENT, DEGREE OF PROTECTION IP65/67; CONNECTING BLOCK 6ES7194-3AA00-0.A0 MUST BE ORDERED SEPARTELY



General information

Vendor identification (VendorID)	80DAh
----------------------------------	-------

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

<ul style="list-style-type: none"> Rated value 	1 A; Aggregate current up to 55 °C
---	------------------------------------

Power loss

Power loss, typ.	3.6 W
------------------	-------

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	
• Type of input voltage	DC
• Rated value (DC)	24 V
• for signal "0"	-3 to +5V
• for signal "1"	13 to 30V
Input current	
• for signal "1", typ.	7 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— at "0" to "1", max.	3 ms; Typical
— at "1" to "0", max.	3 ms; Typical
Cable length	
• unshielded, max.	30 m
Encoder	
Connectable encoders	
• 2-wire sensor	Yes
— permissible quiescent current (2-wire sensor), max.	1.5 mA
Interfaces	
PROFIBUS DP	
• 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
Protocols	
PROFIBUS DP	Yes
Interrupts/diagnostics/status information	
Alarms	No
Diagnostic messages	
• Diagnostic information readable	Yes
Diagnostics indication LED	
• Group error SF (red)	Yes
• Status indicator digital input (green)	Yes
• Channel fault indicator F (red)	No
Potential separation	
between PROFIBUS DP and all other circuit components	Yes
Potential separation digital inputs	

• 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

Dimensions

Width

60 mm

Height

210 mm

Depth

28 mm

Weights

Weight, approx.

210 g

last modified:

03/09/2017 