



SIMATIC DP, Basic module BM 141 ET 200ECO: 16 DI 24 V DC; 8xM12, Duplicate assignment, Degree of protection IP65/67; Connection block 6ES7194-3AA00-0.A0 separately order

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	
• 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	
• 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

Diagnoses

• 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

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

Classifications

	Version	Classification
eClass	14	27-24-26-04
eClass	12	27-24-26-04
eClass	9.1	27-24-26-04
eClass	9	27-24-26-04
eClass	8	27-24-26-04
eClass	7.1	27-24-26-04
eClass	6	27-24-26-04
ETIM	10	EC001599
ETIM	9	EC001599
ETIM	8	EC001599
ETIM	7	EC001599
IDEA	4	3566
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

[Manufacturer Declaration](#)



[Miscellaneous](#)



General Product Approval

EMV

Maritime application



[China RoHS](#)



Maritime application



[NK / Nippon Kaiji Kyokai](#)



[CCS \(China Classification Society\)](#)

[KR \(Korean Register of Shipping\)](#)

Industrial Communication



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