

*** SPARE PART*** SIMATIC DP, BASIC MODULE BM141 ET 200X, 8DI 24V DC, 5-PIN M12, DOUBLE-ASSIGNMENT, IP66/67 INT.PROFIBUS DP IF 12 MBIT/S, INTEGR. PS INTERFACE



Supply voltage	
Load voltage 1L+	
• Rated value (DC)	24 V
• short-circuit protection	Yes; Electronic
• Reverse polarity protection	Yes
Load voltage 2L+	
• Rated value (DC)	24 V
• Reverse polarity protection	No
Input current	
from supply voltage 1L+, max.	180 mA
Encoder supply	
Number of outputs	4
Short-circuit protection	Yes; Electronic
Output current	
• up to 40 °C, max.	0.9 A
• up to 55 °C, max.	0.7 A
Power loss	

Power loss, typ.	3.5 W
Hardware configuration	
Expansion modules	
<ul style="list-style-type: none"> • Number of expansion modules, max. 7 <li style="padding-left: 20px;">— of which motor starters/frequency converters, max. 6 <li style="padding-left: 20px;">— of which pneumatic interfaces, max. 6 	
Digital inputs	
Number of digital inputs	8
Input characteristic curve in accordance with IEC 61131, type 1	Yes
Number of simultaneously controllable inputs	
all mounting positions	
— up to 55 °C, max.	8
Input voltage	
<ul style="list-style-type: none"> • Rated value (DC) 24 V • for signal "0" -3 to +5V • for signal "1" 13 to 30V 	
Input current	
<ul style="list-style-type: none"> • for signal "1", typ. 7 mA 	
Input delay (for rated value of input voltage)	
for standard inputs	
— at "0" to "1", min.	1.2 ms
— at "0" to "1", max.	4.8 ms
— at "1" to "0", min.	1.2 ms
— at "1" to "0", max.	4.8 ms
Cable length	
<ul style="list-style-type: none"> • unshielded, max. 30 m 	
Encoder	
Connectable encoders	
<ul style="list-style-type: none"> • 2-wire sensor Yes <li style="padding-left: 20px;">— permissible quiescent current (2-wire sensor), max. 1.5 mA 	
1. Interface	
Functionality	
<ul style="list-style-type: none"> • PROFIBUS DP slave Yes 	
DP slave	
<ul style="list-style-type: none"> • Transmission rate, max. 12 Mbit/s 	
Services	
— Direct data exchange (slave-to-slave communication)	Yes

Interrupts/diagnostics/status information	
Diagnostic functions	Parameterizable
Alarms	
• Diagnostic alarm	Yes
Diagnostics indication LED	
• Bus fault BF (red)	Yes
• Group error SF (red)	Yes
• Monitoring 24 V voltage supply ON (green)	Yes
Potential separation	
between PROFIBUS DP and all other circuit components	Yes
Potential separation digital inputs	
• between the channels	No
Potential separation digital outputs	
• between the channels	No
Dimensions	
Width	134 mm
Height	110 mm
Depth	55 mm
Weights	
Weight, approx.	500 g
last modified:	03/11/2017