

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
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Power loss

Power loss, typ.	3.5 W
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Hardware configuration

Expansion modules	
• Number of expansion modules, max.	7
— of which motor starters/frequency converters, max.	6
— of which pneumatic interfaces, max.	6

Digital inputs

Number of digital inputs	8
Input characteristic curve in accordance with IEC 61131, type 1	Yes
Input voltage	
• Rated value (DC)	24 V
• for signal "0"	-3 to +5V
• for signal "1"	13 to 30V
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
Cable length	
• unshielded, max.	30 m

Encoder

Connectable encoders	
<ul style="list-style-type: none"> • 2-wire sensor — permissible quiescent current (2-wire sensor), max. 	Yes 1.5 mA

1. Interface

Protocols

<ul style="list-style-type: none"> • PROFIBUS DP slave 	Yes
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PROFIBUS DP slave

<ul style="list-style-type: none"> • Transmission rate, max. 	12 Mbit/s; 9,6 / 19,2 / 93,75 / 187,5 / 500 kbit/s; 1,5 / 3 / 6 / 12 Mbit/s
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Services

<ul style="list-style-type: none"> — Direct data exchange (slave-to-slave communication) 	Yes; Sender
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Dimensions

Width	134 mm; Width module 107 mm
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Height	110 mm
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Depth	55 mm
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last modified: 04/29/2020