

SIMATIC DP, BASIC MODULE BM142 FOR ET200X, 4DO 24V DC/2A 5-PIN M12, PROTECTION IP 66/67, INTEGR. 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
from load voltage 2L+ (without load), max.	12 mA

Power loss

Power loss, typ.	4 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 outputs

Number of digital outputs	4
Short-circuit protection	Yes; Electronic
Output current	
• for signal "1" rated value	2 A; at 24 V DC
• for signal "0" residual current, max.	0.5 mA
Switching frequency	
• with resistive load, max.	100 Hz
• on lamp load, max.	1 Hz
Cable length	
• unshielded, max.	30 m

1. Interface

Functionality	
• PROFIBUS DP slave	Yes

DP slave	
• Transmission rate, max.	12 Mbit/s; 9,6 / 19,2 / 93,75 / 187,5 / 500 kbit/s; 1,5 / 3 / 6 / 12 Mbit/s
Services	
— Direct data exchange (slave-to-slave communication)	Yes; Sender
Dimensions	
Width	134 mm; Width module 107 mm
Height	110 mm
Depth	55 mm
last modified:	08/12/2017