

*** SPARE PART*** SIMATIC DP, DISTRIBUTED I/O
 ET200X:EXT.MODULE BM143/DESINA 8DI/DO CONFIGURABLE,
 ADDITIONAL DIAGNOSTICS INPUTS, IP67



Input current	
from backplane bus 5 V DC, max.	40 mA
Encoder supply	
Number of outputs	8
Short-circuit protection	Yes; Electronic
Output current	
• up to 40 °C, max.	1 A
• up to 55 °C, max.	0.8 A
Power loss	
Power loss, typ.	1.5 W
Digital inputs	
Number of digital inputs	8; 8 function inputs (diagnostic inputs or inputs with opener function)
Input characteristic curve in accordance with IEC 61131, type 2	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) for signal "0" for signal "1" 	24 V; Input voltage for parameterized DI (Pin 4) / Input voltage for function input (Pin 2) -30 to +5V 13 to 30V
Input current	
<ul style="list-style-type: none"> for signal "1", typ. 	5 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 μs
Cable length	
<ul style="list-style-type: none"> unshielded, max. 	30 m; for signal lines
Digital outputs	
Number of digital outputs	8; 8 process channels, parameterization as DI/DO; 8 function channels, parameter assignment as diagnostics/NC input
Short-circuit protection	Yes; Electronic
<ul style="list-style-type: none"> Response threshold, typ. 	1.8 A
Switching capacity of the outputs	
<ul style="list-style-type: none"> on lamp load, max. 	10 W
Output current	
<ul style="list-style-type: none"> for signal "1" rated value for signal "0" residual current, max. 	1.2 A 0.5 mA
Switching frequency	
<ul style="list-style-type: none"> with resistive load, max. with inductive load (acc. to IEC 60947-5-1, DC13), max. on lamp load, max. 	100 Hz 2 Hz 1 Hz
Total current of the outputs (per module)	
all mounting positions	
— up to 20 °C, max.	10 A
Cable length	
<ul style="list-style-type: none"> unshielded, max. 	30 m; for signal lines
Encoder	
Connectable encoders	
<ul style="list-style-type: none"> 2-wire sensor — permissible quiescent current (2-wire sensor), max. 	Yes 1.5 mA
Interrupts/diagnostics/status information	

Diagnostic functions	Yes; Parameterizable
Diagnosics indication LED	
• Status indicator per channel (yellow)	Yes
• Indicator function input per channel (yellow/red)	Yes
Potential separation	
Potential separation digital inputs	
• between the channels	No
• between the channels and backplane bus	No
Potential separation digital outputs	
• between the channels	No
• between the channels and backplane bus	No
Dimensions	
Width	87 mm; Width module 60 mm
Height	180 mm
Depth	55 mm
Weights	
Weight, approx.	350 g
last modified:	03/11/2017