

\*\*\* SPARE PART\*\*\* SIMATIC DP, DISTRIBUTED I/O ET200X:  
 EXPANSION MODULE EM141, 8 DE DC 24V, 5-PIN M12,  
 CHANNEL DIAGNOSTICS, SHORT-CIRCUIT AND WIRE BREAK,  
 PROCESS INTERRUPTS, INPUT DELAY:0,5MS/3MS/15MS/20MS

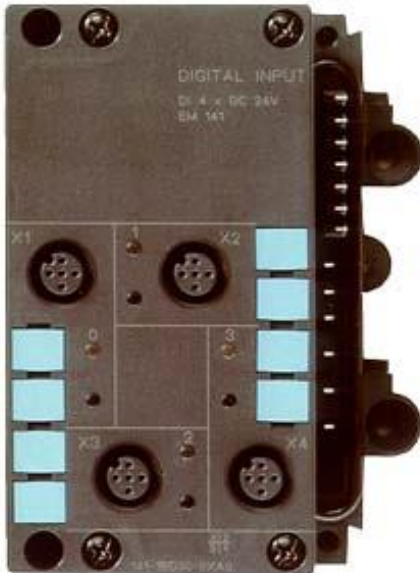


Figure similar

<b>Input current</b>	
from backplane bus 5 V DC, max.	30 mA
<b>Encoder supply</b>	
Number of outputs	8
Short-circuit protection	Yes; Electronic
<b>Output current</b>	
• up to 40 °C, max.	0.5 A; Total current: 1 A
• up to 55 °C, max.	0.4 A; Total current: 0.8 A
<b>Power loss</b>	
Power loss, typ.	1.5 W
<b>Digital inputs</b>	
Number of digital inputs	8
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
<b>Input voltage</b>	
• Rated value (DC)	24 V
• for signal "0"	-3 to +5V
• for signal "1"	13 to 30V
<b>Input current</b>	
• for signal "1", typ.	10 mA
<b>Input delay (for rated value of input voltage)</b>	
for standard inputs	
— parameterizable	Yes; 0.5 / 3 / 15 / 20 ms
<b>Cable length</b>	
• unshielded, max.	30 m
<b>Encoder</b>	
<b>Connectable encoders</b>	
• 2-wire sensor	Yes
— permissible quiescent current (2-wire sensor), max.	1.5 mA
<b>Interrupts/diagnostics/status information</b>	
Diagnostic functions	Yes; Parameterizable
<b>Diagnostic messages</b>	
• Wire-break	Yes; channel by channel
• Short-circuit	Yes; channel by channel
<b>Potential separation</b>	
<b>Potential separation digital inputs</b>	
• Potential separation digital inputs	No
<b>Dimensions</b>	
Width	87 mm; Width module 60 mm
Height	180 mm
Depth	55 mm
<b>Weights</b>	
Weight, approx.	350 g
<b>last modified:</b>	03/11/2017