

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ES7141-1BF40-0XB0

EIGHT-CHANNEL DIGITAL INPUT EXPANSION MODULE

Used with the applicable SIMATIC ET 200X EM141 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens SIMATIC ET 200X EM141 manufacturer documentation; applicable pages 1, 2

*** 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

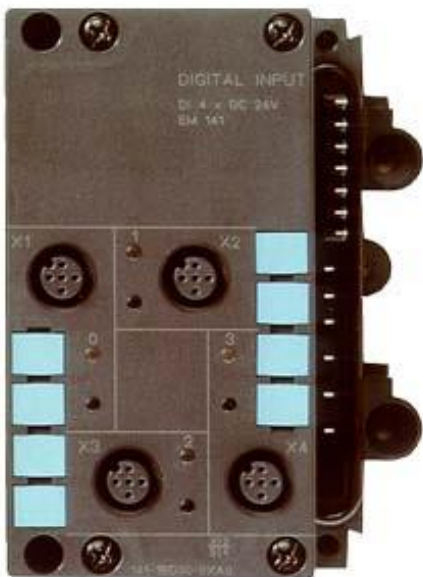


Figure similar

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