MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ES7141-1BF30-0XB0

ET 200X EIGHT-CHANNEL DIGITAL INPUT MODULE

Used with the applicable SIMATIC ET 200X configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Official manufacturer documentation applicable to 6ES7141-1BF30-0XB0

SIEMENS

Data sheet 6ES7141-1BF30-0XB0

Spare part SIMATIC DP, distributed I/O ET 200X: Extended module EM141, 8 DE 24 V DC, 5-pole, 4xM12, Channel diagnostics; short circuit and wire break Hardware interrupts Input delay time: 0,5ms/3ms/15ms/20ms

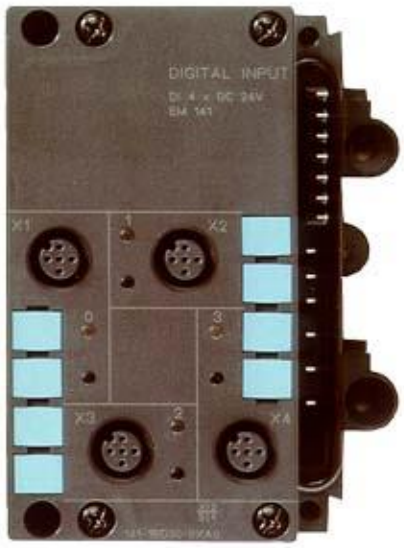


Figure similar

Input current	
from backplane bus 5 V DC, max.	30 mA
Encoder supply	
Number of outputs	4
Short-circuit protection	Yes; Electronic
Output current	
• up to 40 °C, max.	0.5 A; Total current: 0.9 A
• up to 55 °C, max.	0.4 A; Aggregate current: 0.7 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	

Subject to change without notice
© Copyright Siemens

— 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
Alarms	
• Diagnostic alarm	Yes; Parameterizable
• Hardware interrupt	Yes; Parameterizable
Diagnostic messages	
• Diagnostic information readable	Yes
• 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	110 mm
Depth	55 mm

Weights	
Weight, approx.	250 g

last modified: 09/03/2018

Subject to change without notice
© Copyright Siemens