

SIEMENS

Product data sheet

6ES7141-3BH00-0XA0



SIMATIC DP,
BASIC MODULE BM141 ET 200ECO: 16DI 24V DC;
8 X M12,DOUBLE-ASSIGNMENT,
DEGREE OF PROTECTION IP65/67;
CONNECTING BLOCK 6ES7194-3AA00-0.A0 MUST
BE ORDERED SEPARATELY

General information

Vendor identification (VendorID)	80DAh
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Supply voltage

Rated value (DC)	24 V
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Reverse polarity protection	Yes
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Input current

from supply voltage 1L+, max.	70 mA ; typ.
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Encoder supply

Number of outputs	8
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Output voltage	24 V DC
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Output current, rated value	1 A ; Aggregate current up to 55 °C
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Output current

Short-circuit protection	Yes ; Electronic
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Power losses

Power loss, typ.	3.6 W
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Digital inputs	
Number/binary inputs	16
Input characteristic curve acc. to IEC 61131, Type 1	Yes
Number of simultaneously controllable inputs	16 ; All mounting positions up to 55 °C
Input voltage	
Type of input voltage	DC
Rated value, DC	24 V
for signal "0"	-3 to +5 V
for signal "1"	13 to 30 V
Input current	
for signal "1", typ.	7 mA
Input delay (for rated value of input voltage)	
for standard inputs	
at "0" to "1", max.	3 ms ; typ.
at "1" to "0", max.	3 ms ; typ.
Cable length	
Cable length unshielded, max.	30 m
Encoder	
Connectable encoders	
2-wire sensor	Yes
Permissible quiescent current (2-wire sensor), max.	1.5 mA
Interfaces	
PROFIBUS DP	
Transmission rate, max.	12 Mbit/s ; 9.6 / 19.2 / 45.45 / 93.75 / 187.5 / 500 Kbit/s ; 1.5 / 3 / 6 / 12 Mbit/s
Protocols	
PROFIBUS DP protocol	Yes
Interrupts/diagnostics/status information	
Status indicator	Yes
Alarms	
Alarms	No
Diagnostic messages	
Diagnostics	Yes ; Diagnostic information readable

Diagnostics indication LED	
Group error SF (red)	Yes
Status indicator digital input (green)	Yes
Channel error indicator F (red)	No
Galvanic isolation	
between PROFIBUS DP and all other circuit components	Yes
Galvanic isolation digital inputs	
between the channels	No
Permissible potential difference	
between different circuits	75 VDC / 60 VAC
Isolation	
Isolation checked with	500 V DC
Dimensions	
Width	60 mm
Height	210 mm
Depth	28 mm
Weight	
Weight, approx.	210 g
Status	Jul 17, 2012