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Data sheet 6ES7131-4BF00-0AA0

SIMATIC DP, 1 ELECTR. MODULE FOR ET 200S, 8 DI DC 24V 15 MM WIDTH, 1 PIECE PER PACKAGING UNIT



Figure similar

Supply voltage	
Rated value (DC)	
• 24 V DC	Yes
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Reverse polarity protection	Yes
Input current	
from supply voltage L+, max.	Dependent on encoder
from backplane bus 3.3 V DC, max.	10 mA
Encoder supply	
Number of outputs	0; no encoder supply
Power loss	
Power loss, typ.	1.2 W
Address area	
Address space per module	
• without packing	1 byte
Digital inputs	

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Number of digital inputs	8
Input characteristic curve in accordance with IEC 61131, type 1	Yes; 2-wire sensors connectable
Number of simultaneously controllable inputs	
• Number of simultaneously controllable inputs	8
Input voltage	
• Type of input voltage	DC
• Rated value (DC)	24 V
• for signal "0"	-30 to +5V
• for signal "1"	+15 to +30V
Input current	
• for signal "1", typ.	5 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— parameterizable	No
— at "0" to "1", min.	2 ms
— at "0" to "1", max.	4.5 ms
— at "1" to "0", min.	2 ms
— at "1" to "0", max.	4.5 ms
Cable length	
• shielded, max.	1 000 m
• unshielded, max.	600 m
Encoder	
Connectable encoders	
• 2-wire sensor	Yes
— permissible quiescent current (2-wire sensor), max.	1.5 mA
Isochronous mode	
Isochronous operation (application synchronized up to terminal)	Yes; TWE = 3000 us
Interrupts/diagnostics/status information	
Diagnostic functions	No
Diagnostics indication LED	
• Status indicator digital input (green)	Yes
Parameter	
Remark	3-byte parameter (not accessible for the user)
Potential separation	
Potential separation digital inputs	
• between the channels	No
• between the channels and backplane bus	Yes

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Permissible potential difference	
between different circuits	75 V DC/60 V AC

Isolation	
Isolation tested with	500 V DC

Dimensions	
Width	15 mm
Height	81 mm
Depth	52 mm

Weights	
Weight, approx.	35 g

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