



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)	
<ul style="list-style-type: none"> • 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 backplane bus 3.3 V DC, max.	10 mA
from supply voltage L+, max.	Dependent on encoder

Encoder supply

Number of outputs	0; no encoder supply
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Power losses

Power loss, typ.	1.2 W
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Address space per module

<ul style="list-style-type: none"> • without packing 	1 byte
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Digital inputs

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	
<ul style="list-style-type: none"> • Number of simultaneously controllable inputs 	8

Input voltage

<ul style="list-style-type: none"> • Type of input voltage • Rated value (DC) 	DC 24 V
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• for signal "0"	-30 to +5V
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
Diagnostic messages	
• Diagnostic functions	No
Diagnostics indication LED	
• Status indicator digital input (green)	Yes

Parameter

Remark	3-byte parameter (not accessible for the user)
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Galvanic isolation

Galvanic isolation digital inputs	
• between the channels	No
• between the channels and the backplane bus	Yes

Permissible potential difference

between different circuits	75V DC/60V AC
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Isolation

Isolation checked with	500 V DC
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Dimensions

Width	15 mm
Height	81 mm
Depth	52 mm

Weights

Weight, approx.

35 g

last modified:

12.03.2015