

SIMATIC DP, 5 ELECTRON. MODULES FOR ET 200S, 2 DI HIGH FEATURE 24V DC, 15 MM WIDTH WITH PARAM. F. INPUT DELAY DIAGNOSIS F. ENCODER SHORT- CIRCUIT W. LED SF (GROUP FAULT) 5 PIECES PER PACKAGING UNIT

Supply voltage

Rated value (DC)	
<ul style="list-style-type: none"> • 24 V DC 	Yes; From power module
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

Type of output voltage	min. L+ (-0.5 V), under load
Short-circuit protection	Yes; Electronic

Output current

<ul style="list-style-type: none"> • Rated value 	500 mA
<ul style="list-style-type: none"> • permissible range, lower limit 	0 mA
<ul style="list-style-type: none"> • permissible range, upper limit 	500 mA

Power loss

Power loss, typ.	0.4 W
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Address area

Address space per module	
<ul style="list-style-type: none"> • with packing 	2 bit
<ul style="list-style-type: none"> • without packing 	1 byte

Digital inputs

Number of digital inputs	2
Input characteristic curve in accordance with IEC 61131, type 1	Yes

Input voltage

<ul style="list-style-type: none"> • Rated value (DC) 	24 V
<ul style="list-style-type: none"> • for signal "0" 	-30 to +5V
<ul style="list-style-type: none"> • for signal "1" 	+11 to +30V

Input current

<ul style="list-style-type: none"> • for signal "1", typ. 	8 mA
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Input delay (for rated value of input voltage)

for standard inputs	
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— parameterizable	Yes; 0.1 / 0.5 / 3 / 15 ms
— at "0" to "1", min.	0.05 ms
— at "0" to "1", max.	15.15 ms
— at "1" to "0", min.	0.05 ms
— at "1" to "0", max.	15.15 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
Interrupts/diagnostics/status information	
Alarms	
• Hardware interrupt	Yes; Parameterizable
Diagnostic messages	
• Diagnostic information readable	Yes
• Short-circuit	Yes; Short-circuit of outputs to ground; module by module
Diagnostics indication LED	
• Group error SF (red)	Yes
• Status indicator digital input (green)	Yes
Parameter	
Remark	3 byte
Diagnostics short-circuit	Disable / enable
Potential separation	
Potential separation digital inputs	
• between the channels	No
• between the channels and backplane bus	Yes
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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