



SIMATIC DP, 5 ELECTRON. MODULES FOR ET 200S, 4 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
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

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

Output current

<ul style="list-style-type: none"> nominal 	500 mA
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Power losses

Power loss, typ.	0.7 W
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Address space per module

<ul style="list-style-type: none"> with packing without packing 	4 bit 1 byte
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Digital inputs

Number of digital inputs	4
Input characteristic curve in accordance with IEC 61131, type 1	Yes

Input voltage

<ul style="list-style-type: none"> • Type of input voltage • Rated value (DC) • for signal "0" • for signal "1" 	DC 24 V -30 to +5V +11 to +30V
Input current	
<ul style="list-style-type: none"> • for signal "1", typ. 	8 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— Parameterizable	Yes; 0.1 / 0.5 / 3 / 15 ms
— at "0" to "1", min.	0.05 / 0.4 / 2.7 / 14.85
— at "0" to "1", max.	0,15 / 0,6 / 3,3 / 15,15
— at "1" to "0", min.	0.05 / 0.4 / 2.7 / 14.85
— at "1" to "0", max.	0,15 / 0,6 / 3,3 / 15,15
Cable length	
<ul style="list-style-type: none"> • shielded, max. • Unshielded, max. 	1 000 m 600 m
Encoder	
Connectable encoders	
<ul style="list-style-type: none"> • 2-wire sensor — Permissible quiescent current (2-wire sensor), max. 	Yes 1.5 mA
Diagnostic messages	
<ul style="list-style-type: none"> • Diagnostic functions • Short circuit 	Yes Yes; Short-circuit of outputs to ground; module by module
Diagnostics indication LED	
<ul style="list-style-type: none"> • Group error SF (red) • Status indicator digital input (green) 	Yes Yes; per channel
Parameter	
Remark	3 byte
Diagnosis: short circuit	Disable / enable
Galvanic isolation	
Galvanic isolation digital inputs	
<ul style="list-style-type: none"> • between the channels • between the channels and the backplane bus 	No Yes
Permissible potential difference	
between different circuits	75V DC/60V AC
Isolation	
Isolation checked with	500 V DC
Dimensions	
Width	15 mm

Height	81 mm
Depth	52 mm
Weights	
Weight, approx.	35 g
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