

SIMATIC DP, 5 ELECTRON. MODULES FOR ET 200S, 4 DI
STANDARD 24V DC, 15 MM WIDTH, 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
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.	0.7 W
------------------	-------

Address area

Address space per module	
<ul style="list-style-type: none"> • Address space per module, max. 	1 byte
<ul style="list-style-type: none"> • with packing 	4 bit

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"> • Rated value (DC) 	24 V
<ul style="list-style-type: none"> • for signal "0" 	-30 to +5 V
<ul style="list-style-type: none"> • for signal "1" 	+15 to +30 V
Input current	
<ul style="list-style-type: none"> • for signal "1", typ. 	7 mA; at 24 V
Input delay (for rated value of input voltage)	
for standard inputs	
<ul style="list-style-type: none"> — parameterizable 	No
<ul style="list-style-type: none"> — at "0" to "1", min. 	2 ms; typically 3 ms

— at "0" to "1", max.	4.5 ms
— at "1" to "0", min.	2 ms; typically 3 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
Interrupts/diagnostics/status information	
Diagnostics function	No
Diagnostics indication LED	
• Status indicator digital input (green)	Yes
Parameter	
Remark	1 byte
Potential separation	
Potential separation digital inputs	
• between the channels	No
• between the channels and backplane bus	Yes
Isolation	
Isolation tested with	500 V DC
Dimensions	
Width	15 mm
Height	81 mm
Depth	52 mm
Weights	
Weight, approx.	35 g
last modified:	04/17/2020