



SIMATIC DP, 5 electronic modules for ET 200S, 4DI standard 24 V DC, 15 mm width, 5 units per packing unit

Supply voltage	
Rated value (DC)	24 V; 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"> Type of input voltage 	DC
<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
<ul style="list-style-type: none"> at "0" to "1", max. 	4.5 ms
<ul style="list-style-type: none"> at "1" to "0", min. 	2 ms; typically 3 ms
<ul style="list-style-type: none"> at "1" to "0", max. 	4.5 ms
Cable length	
<ul style="list-style-type: none"> shielded, max. 	1 000 m
<ul style="list-style-type: none"> 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

- Group error SF (red) No
- Status indicator digital input (green) Yes; per channel

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: 9/22/2023 