

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
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
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"> • max. 	500 mA
Power loss	
Power loss, typ.	0.7 W

Address area	
Address space per module	
<ul style="list-style-type: none"> with packing 	4 bit
<ul style="list-style-type: none"> without packing 	1 byte
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 +5V
<ul style="list-style-type: none"> for signal "1" 	+15 to +30V
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	
<ul style="list-style-type: none"> 2-wire sensor 	Yes
<ul style="list-style-type: none"> permissible quiescent current (2-wire sensor), max. 	1.5 mA
Interrupts/diagnostics/status information	
Diagnostic functions	No
Diagnostics indication LED	
<ul style="list-style-type: none"> Group error SF (red) 	No
<ul style="list-style-type: none"> Status indicator digital input (green) 	Yes; per channel
Parameter	
Remark	1 byte
Potential separation	
Potential separation digital inputs	
<ul style="list-style-type: none"> 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

last modified:

06/28/2017