

SIMATIC DP, 5 ELECTRON. MODULES ET 200S: 4DI UC
24V...48V, 15 MM WIDTH, WITH LED SF (GROUP FAULT), 5
PIECES PER PACKAGING UNIT



Supply voltage	
Rated value (DC)	
• 24 V DC	Yes; From power module
permissible range, lower limit (DC)	24 V
permissible range, upper limit (DC)	48 V
Rated value (AC)	
• 24 V AC	Yes
permissible range, lower limit (AC)	24 V
permissible range, upper limit (AC)	48 V
Reverse polarity protection	Yes; AC or DC automatic
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; per module
Output current	
• Rated value	500 mA

• permissible range	0 to 500 mA
Power loss	
Power loss, typ.	0.7 W
Address area	
Address space per module	
• with packing	4 bit
• without packing	1 byte
Digital inputs	
Number of digital inputs	4
Input characteristic curve in accordance with IEC 61131, type 1	Yes
Input voltage	
• Type of input voltage	AC/DC
• for signal "0"	-6 to +6 V DC/ 0 to 5 V AC
• for signal "1"	-15 V DC to -57.6 V DC; 15 V DC to 57.6 V DC; 15 V AC to 48 V AC
• Frequency range	47 ... 63 Hz
Input current	
• for signal "1", typ.	10 mA; 4 to 10 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— at "0" to "1", max.	15 ms
— at "1" to "0", max.	15 ms
Encoder connection	
• Fixed current limitation for wire-break monitoring, min.	18 kΩ; Rated voltage 24 V (15 V to 35 V); rated voltage 48 V (30 V to 60 V): 39 kohms
Cable length	
• shielded, max.	1 000 m
• unshielded, max.	600 m
Isochronous mode	
Isochronous operation (application synchronized up to terminal)	Yes
Interrupts/diagnostics/status information	
Diagnostic functions	Yes; Parameterizable
Diagnostics indication LED	
• Group error SF (red)	Yes
• Status indicator digital input (green)	Yes; per channel
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

2500 V DC

Dimensions

Width

15 mm

Height

81 mm

Depth

52 mm

Weights

Weight, approx.

35 g

last modified:

20.05.2016