

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

10/15/2016