



SIMATIC DP, 5 electronic modules ET 200S: 4 DI 24 V...48 V UI, 15 mm width, with SF LED (group fault) 5 units per packing unit

Supply voltage	
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	
<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 	AC/DC
<ul style="list-style-type: none"> Rated value (UC) 	24 V; 24 ... 48 V UC (47 ... 63 Hz)
<ul style="list-style-type: none"> for signal "0" 	-6 to +6 V DC/ 0 to 5 V AC
<ul style="list-style-type: none"> 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
Input current	
<ul style="list-style-type: none"> for signal "1", typ. 	10 mA; 4 to 10 mA
Input delay (for rated value of input voltage)	
for standard inputs	
<ul style="list-style-type: none"> at "0" to "1", max. 	15 ms
<ul style="list-style-type: none"> at "1" to "0", max. 	15 ms
Encoder connection	
<ul style="list-style-type: none"> 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	
<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
 - permissible quiescent current (2-wire sensor), max. 2 mA; (0.5 to 2 mA), a minimum load current is necessary for wire break diagnostics.

Interrupts/diagnostics/status information

Diagnostics function Yes; Parameterizable

Diagnoses

- Wire-break Yes

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

Isolation

Isolation tested with 2 500 V DC

Dimensions

Width 15 mm

Height 81 mm

Depth 52 mm

Weights

Weight, approx. 35 g

last modified: 10/3/2023 