



SIMATIC DP, 1 ELECTRON. MODULE ET 200S: 4DI DC 24V NAMUR, 15 MM WIDTH, WITH LED SF (GROUP FAULT),

Supply voltage	
Rated value (DC)	
<ul style="list-style-type: none"> • 24 V DC 	Yes
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Encoder supply	
Number of outputs	1
Type of output voltage	min. 8.2 V, loaded
short-circuit protection	Yes; Electronic
Output current	
<ul style="list-style-type: none"> • nominal 	45 mA
Power losses	
Power loss, typ.	1.6 W
Address space per module	
<ul style="list-style-type: none"> • with packing • without packing 	4 bit 1 byte
Digital inputs	
Number of digital inputs	4
Number of NAMUR inputs	4
Parallel switching of inputs	No
Number of simultaneously controllable inputs	
<ul style="list-style-type: none"> • Number of simultaneously controllable inputs 	4
Input voltage	
<ul style="list-style-type: none"> • Type of input voltage 	DC

Input current	
for 10 k switched contact	
— for signal "0"	0.35 to 1.2 mA
— for signal "1"	2.1 to 7 mA
for unswitched contact	
— for signal "0", max. (permissible quiescent current)	0.5 mA
— for signal "1"	typ. 8 mA
for NAMUR encoders	
— for signal "0"	0.35 to 1.2 mA
— for signal "1"	2.1 to 7 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— at "0" to "1", max.	4.6 μ s
— at "1" to "0", max.	4.6 μ s
Cable length	
• shielded, max.	200 m
Interrupts/diagnostics/status information	
Alarms	
• Diagnostic alarm	Yes; can be set
• Hardware interrupt	No
Diagnostic messages	
• Diagnostic functions	Yes; Diagnostic alarm
• Diagnostic information readable	Yes
Diagnostics indication LED	
• Group error SF (red)	Yes
• Status indicator digital input (green)	Yes; per channel
Parameter	
Remark	12 byte
Galvanic isolation	
Galvanic isolation digital inputs	
• between the channels	No
• between the channels and the backplane bus	Yes
• between the channels and the load voltage L+	Yes
Permissible potential difference	
between different circuits	75V DC/60V AC
Isolation	
Isolation checked with	500 V DC
Dimensions	
Width	15 mm

Height	81 mm
Depth	52 mm
Weights	
Weight, approx.	35 g
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