

SIMATIC DP, 5 ELECTRON. MODULES FOR ET 200S, 2 DI HIGH FEATURE 24V DC, 15 MM WIDTH WITH PARAM. F. INPUT DELAY DIAGNOSIS F. ENCODER SHORT- CIRCUIT W. LED SF (GROUP FAULT) 5 PIECES PER PACKAGING UNIT

Supply voltage	
Rated value (DC)	
• 24 V DC	Yes; From power module
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
Short-circuit protection	Yes; Electronic
Output current	
• Rated value	500 mA
• permissible range, lower limit	0 mA
• permissible range, upper limit	500 mA
Power loss	
Power loss, typ.	0.4 W
Address area	
Address space per module	
• Address space per module, max.	1 byte
• with packing	2 bit
• without packing	1 byte
Digital inputs	
Number of digital inputs	2
Input characteristic curve in accordance with IEC 61131, type 1	Yes
Input voltage	
• Rated value (DC)	24 V
• for signal "0"	-30 to +5V
• for signal "1"	+11 to +30V
Input current	
• for signal "1", typ.	8 mA
Input delay (for rated value of input voltage)	

for standard inputs	
— parameterizable	Yes; 0.1 / 0.5 / 3 / 15 ms
— at "0" to "1", min.	0.05 ms
— at "0" to "1", max.	15.15 ms
— at "1" to "0", min.	0.05 ms
— at "1" to "0", max.	15.15 ms
Cable length	
• shielded, max.	1 000 m
• unshielded, max.	600 m
Encoder	
Connectable encoders	
• 2-wire sensor	Yes
— permissible quiescent current (2-wire sensor), max.	1.5 mA
Isochronous mode	
Isochronous operation (application synchronized up to terminal)	Yes
Interrupts/diagnostics/status information	
Alarms	
• Hardware interrupt	Yes; Parameterizable
Diagnostic messages	
• Diagnostic information readable	Yes
• Short-circuit	Yes; Short-circuit of outputs to ground; module by module
Diagnostics indication LED	
• Group error SF (red)	Yes
• Status indicator digital input (green)	Yes
Parameter	
Remark	3 byte
Diagnostics short-circuit	Disable / enable
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	500 V DC
Dimensions	
Width	15 mm

Height	81 mm
Depth	52 mm
Weights	
Weight, approx.	35 g
last modified:	12/29/2018