

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)	
<ul style="list-style-type: none"> • 24 V DC 	Yes; From power module
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
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	
<ul style="list-style-type: none"> • Rated value • permissible range 	500 mA 0 to 500 mA
Power loss	
Power loss, typ.	0.4 W

Address area	
Address space per module	
<ul style="list-style-type: none"> with packing 	2 bit
<ul style="list-style-type: none"> without packing 	1 byte
Digital inputs	
Number of digital inputs	2
Input characteristic curve in accordance with IEC 61131, type 1	Yes
Input voltage	
<ul style="list-style-type: none"> Type of input voltage 	DC
<ul style="list-style-type: none"> Rated value (DC) 	24 V
<ul style="list-style-type: none"> for signal "0" 	-30 to +5V
<ul style="list-style-type: none"> for signal "1" 	+11 to +30V
Input current	
<ul style="list-style-type: none"> for signal "1", typ. 	8 mA
Input delay (for rated value of input voltage)	
for standard inputs	
<ul style="list-style-type: none"> parameterizable 	Yes; 0.1 / 0.5 / 3 / 15 ms
<ul style="list-style-type: none"> at "0" to "1", min. 	0.05 / 0.4 / 2.7 / 14.85
<ul style="list-style-type: none"> at "0" to "1", max. 	0,15 / 0,6 / 3,3 / 15,15
<ul style="list-style-type: none"> at "1" to "0", min. 	0.05 / 0.4 / 2.7 / 14.85
<ul style="list-style-type: none"> at "1" to "0", max. 	0,15 / 0,6 / 3,3 / 15,15
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	
<ul style="list-style-type: none"> 2-wire sensor 	Yes
<ul style="list-style-type: none"> permissible quiescent current (2-wire sensor), max. 	1.5 mA
Interrupts/diagnostics/status information	
Diagnostic functions	Yes
Alarms	
<ul style="list-style-type: none"> Hardware interrupt 	Yes; Parameterizable
Diagnostic messages	
<ul style="list-style-type: none"> Short-circuit 	Yes; Short-circuit of outputs to ground; module by module
Diagnostics indication LED	
<ul style="list-style-type: none"> Group error SF (red) 	Yes
<ul style="list-style-type: none"> Status indicator digital input (green) 	Yes; per channel
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:	20.05.2016