

SIMATIC DP, Electronics module for ET 200S, 1 STEP 5 V/204 kHz for stepper motor positioning 15 mm wide, 1-channel +/-5 V interface to power unit



Figure similar

Supply voltage	
Load voltage L+	
• Rated value (DC)	24 V
• Reverse polarity protection	Yes
Input current	
From load voltage L+ (no load), typ.	40 mA
from backplane bus 3.3 V DC, max.	10 mA
Power loss	
Power loss, typ.	1.5 W
Digital inputs	
Number of digital inputs	2
Functions	Reference cams, pulse suppression, external stop, limit switch
Repeat frequency, max.	100 Hz
Input characteristic curve in accordance with IEC 61131, type 2	Yes
Input voltage	

<ul style="list-style-type: none"> Rated value (DC) 	24 V
<ul style="list-style-type: none"> for signal "0" 	-30 to +5 V (-15% / +20%)
<ul style="list-style-type: none"> for signal "1" 	+11 to +30V
Input current	
<ul style="list-style-type: none"> for signal "0", max. (permissible quiescent current) 	2 mA
<ul style="list-style-type: none"> for signal "1", typ. 	9 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— at "0" to "1", max.	4 ms
— at "1" to "0", max.	4 ms
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
Interrupts/diagnostics/status information	
Diagnostics indication LED	
<ul style="list-style-type: none"> RDY LED 	Yes
<ul style="list-style-type: none"> Positioning mode POS (green) 	Yes
<ul style="list-style-type: none"> Group error SF (red) 	Yes
<ul style="list-style-type: none"> Status indicator digital input (green) 	Yes
Integrated Functions	
Step-by-step controllers	
<ul style="list-style-type: none"> Number of stepper motor channels 	1
<ul style="list-style-type: none"> Cable length, max. 	100 m; twisted and shielded in pairs
<ul style="list-style-type: none"> Connection for stepper motors 	Differential signals for pulses (PULSE, notPULSE) and direction (DIR, notDIR) to RS 422
Dimensions	
Width	15 mm
Height	81 mm
Depth	52 mm
Weights	
Weight, approx.	40 g
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