



SIMATIC DP, ELECTRONIC MODULE FOR ET 200S, 2 PULSE PULSED GENERATOR AND TIMER MODULE, 15 MM WIDE, 2 CHANNELS

Figure similar

Supply voltage	
Load voltage L+	
• Rated value (DC)	24 V; From power module
• Reverse polarity protection	Yes
Input current	
from load voltage L+ (without load), max.	40 mA
from backplane bus 3.3 V DC, max.	10 mA
Encoder supply	
Type of output voltage	L+ (-0.8 V)
short-circuit protection	Yes
Output current	
• nominal	500 mA
Power losses	
Power loss, typ.	1.8 W
Digital inputs	
Number of digital inputs	2
Input characteristic curve in accordance with IEC 61131, type 2	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.	9 mA
Input delay (for rated value of input voltage)	
• Input frequency (with a time delay of 0.1 ms), max.	20 kHz
• Minimum pulse width for program reactions	100 µs
Cable length	
• shielded, max.	100 m

Digital outputs

Number of digital outputs	2
short-circuit protection	Yes
• Response threshold, typ.	10 A
Limitation of inductive shutdown voltage to	L+ (-50 to -65 V)
Accuracy of pulse duration	+/- (time period x 100 ppm), +/-100 µs with a load <= 50 ohms
minimum pulse duration	100 µs
Controlling a digital input	Yes

Switching capacity of the outputs

• on lamp load, max.	10 W
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Output voltage

• for signal "1", min.	L+ (-1 V)
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Output current

• for signal "1" rated value	2 A
• for signal "1" permissible range for 0 to 60 °C, min.	7 mA
• for signal "1" permissible range for 0 to 60 °C, max.	2 A
• for signal "0" residual current, max.	0.5 mA

Output delay with resistive load

• "0" to "1", max.	100 µs
• "1" to "0", max.	200 µs

Switching frequency

• with resistive load, max.	5 kHz
• with inductive load, max.	2 Hz
• on lamp load, max.	10 Hz

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.	2 mA

Interrupts/diagnostics/status information

Diagnostics indication LED	
• Group error SF (red)	Yes
• Status indicator digital output (green)	Yes
• Status indicator digital input (green)	Yes
Pulse generator	
Number of channels	2; 1 digital input and 1 digital output per channel
Galvanic isolation	
Galvanic isolation digital inputs	
• between the channels	No
• between the channels and the backplane bus	Yes
Galvanic isolation digital outputs	
• between the channels	No
• between the channels and the backplane bus	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.	40 g
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