



Figure similar

*** Spare part *** SIMATIC DP, Electronics module for ET 200S, 2 pulses Pulse generator and timer module, 15 mm wide, 2 channels

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	
• Rated value	500 mA
Power loss	
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 +5 V
• 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)
Controlling a digital input	Yes
Accuracy of pulse duration	±(time period x 100 ppm), ±100 µs with a load ≤ 50 ohms
minimum pulse duration	100 µs
Switching capacity of the outputs	
• on lamp load, max.	10 W

Output voltage			
for signal "1", min.	L+ (-1 V)		
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 input (green)	Yes		
Status indicator digital output (green)	Yes		
Integrated Functions			
Pulse generator			
Number of channels	2; 1 digital input and 1 digital output per channel		
Potential separation			
Potential separation digital inputs			
between the channels	No		
between the channels and backplane bus	Yes		
Potential separation digital outputs			
between the channels	No		
between the channels and backplane bus	Yes		
Isolation			
Isolation tested with	500 V DC		
Dimensions			
Width	15 mm		
Height	81 mm		
Depth	52 mm		
Weights			
Weight, approx.	40 g		
Classifications			
		Version	Classification
	eClass	14	27-24-26-05
	eClass	12	27-24-26-05
	eClass	9.1	27-24-26-05
	eClass	9	27-24-26-05
	eClass	8	27-24-26-05
	eClass	7.1	27-24-26-05
	eClass	6	27-24-26-05
	ETIM	10	EC001601
	ETIM	9	EC001601
	ETIM	8	EC001601

ETIM	7	EC001601
IDEA	4	3567
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

[Miscellaneous](#)

[Manufacturer Declaration](#)



[China RoHS](#)



General Product Approval	EMV	For use in hazardous locations
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[EM](#)



For use in hazardous locations	Maritime application
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[Miscellaneous](#)

[CCC-Ex](#)



Maritime application



[NK / Nippon Kaiji Kyokai](#)



[CCS \(China Classification Society\)](#)

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