



Figure similar

*** Spare part *** SIMATIC DP, Electronics module ET 200S: 2 AI High Speed U, 15 bit, 15 mm width, Cycle time of module: 0.1 ms, with SF LED (group fault)

General information	
Product function	
• Isochronous mode	Yes
Supply voltage	
Load voltage L+	
• Rated value (DC)	24 V
• Reverse polarity protection	Yes
Input current	
from load voltage L+ (without load), max.	130 mA
from backplane bus 3.3 V DC, max.	10 mA
Power loss	
Power loss, typ.	2 W
Address area	
Address space per module	
• Address space per module, max.	4 byte
Analog inputs	
Number of analog inputs	2
permissible input voltage for voltage input (destruction limit), max.	35 V; Permanent
Cycle time (all channels) max.	250 µs
Input ranges (rated values), voltages	
• 1 V to 5 V	Yes
— Input resistance (1 V to 5 V)	120 kΩ
• -10 V to +10 V	Yes
— Input resistance (-10 V to +10 V)	120 kΩ
• -2.5 V to +2.5 V	Yes
— Input resistance (-2.5 V to +2.5 V)	120 kΩ
• -5 V to +5 V	Yes
— Input resistance (-5 V to +5 V)	120 kΩ
Cable length	
• shielded, max.	200 m
Analog value generation for the inputs	
Integration and conversion time/resolution per channel	
• Resolution with overrange (bit including sign), max.	16 bit; 15 bit: 1 to 5 V; ±2.5 V; 16 bit: ±10 V; ±5 V
• Conversion time (per channel)	15 µs
Smoothing of measured values	
• parameterizable	Yes
• Step: None	Yes; 1x cycle time

• Step: low • Step: Medium • Step: High	Yes; 4x cycle time		
	Yes; 16x cycle time		
	Yes; 32x cycle time		
Encoder			
Connection of signal encoders			
• for voltage measurement	Yes		
Errors/accuracies			
Operational error limit in overall temperature range			
• Voltage, relative to input range, (+/-)	0.3 %		
Basic error limit (operational limit at 25 °C)			
• Voltage, relative to input range, (+/-)	0.2 %		
Interrupts/diagnostics/status information			
Alarms			
• Hardware interrupt	Yes		
Diagnoses			
• Diagnostic information readable	Yes		
• Wire break	Yes; at 1 to 5 V		
• Group error	Yes		
• Overflow/Underflow	Yes		
Diagnostics indication LED			
• Group error SF (red)	Yes		
Potential separation			
Potential separation analog inputs			
• between the channels	No		
• between the channels and backplane bus	Yes		
• Between the channels and load voltage L+	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	16	27-24-26-01
	eClass	14	27-24-26-01
	eClass	12	27-24-26-01
	eClass	9.1	27-24-26-01
	eClass	9	27-24-26-01
	eClass	8	27-24-26-01
	eClass	7.1	27-24-26-01
	eClass	6	27-24-26-01
	ETIM	10	EC001596
	ETIM	9	EC001596
	ETIM	8	EC001596
	ETIM	7	EC001596
	IDEA	4	3562
	UNSPSC	15	32-15-17-05
	Approvals / Certificates		
General Product Approval			



[Miscellaneous](#)

[Manufacturer Declaration](#)



[Metrological Approval](#)

General Product Approval

EMV



[China RoHS](#)



For use in hazardous locations

[FM](#)



[Miscellaneous](#)

For use in hazardous locations

Maritime application

[CCC-Ex](#)



[NK / Nippon Kaiji Kyokai](#)

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

[KR \(Korean Register of Shipping\)](#)

last modified:

8/22/2025