



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	
<ul style="list-style-type: none"> • Isochronous mode 	Yes
Supply voltage	
Load voltage L+	
<ul style="list-style-type: none"> • Rated value (DC) • Reverse polarity protection 	24 V 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	
<ul style="list-style-type: none"> • 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 μ s
Input ranges (rated values), voltages	
<ul style="list-style-type: none"> • 1 V to 5 V <ul style="list-style-type: none"> — Input resistance (1 V to 5 V) • -10 V to +10 V <ul style="list-style-type: none"> — Input resistance (-10 V to +10 V) • -2.5 V to +2.5 V <ul style="list-style-type: none"> — Input resistance (-2.5 V to +2.5 V) • -5 V to +5 V <ul style="list-style-type: none"> — Input resistance (-5 V to +5 V) 	Yes 120 k Ω Yes 120 k Ω Yes 120 k Ω Yes 120 k Ω
Cable length	
<ul style="list-style-type: none"> • shielded, max. 	200 m
Analog value generation for the inputs	
Integration and conversion time/resolution per channel	
<ul style="list-style-type: none"> • Resolution with overrange (bit including sign), max. • Conversion time (per channel) 	16 bit; 15 bit: 1 to 5 V; \pm 2.5 V; 16 bit: \pm 10 V; \pm 5 V 15 μ s
Smoothing of measured values	
<ul style="list-style-type: none"> • parameterizable • Step: None 	Yes Yes; 1x cycle time

• Step: low	Yes; 4x cycle time	
• Step: Medium	Yes; 16x cycle time	
• Step: High	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	
Parameter		
Remark	12 bytes, 4 bytes in compatibility mode	
Group diagnostics	Disable / enable	
Overflow/Underflow	Disable / enable	
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	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

[EM](#)



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For use in hazardous locations

Maritime application

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