



Figure similar

*** Spare part *** SIMATIC DP, Electronics module ET200S: 2AI High Speed I-2-wire 0-20 mA; 4.. 20mA, 15 bit, 15 mm width, for 2-wire transducer 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
• Short-circuit protection	Yes
• Reverse polarity protection	Yes
Input current	
from load voltage L+ (without load), max.	225 mA
from backplane bus 3.3 V DC, max.	10 mA
output voltage / header	
supply voltage of the transmitters / header	
• present	Yes
• short-circuit proof	Yes
Power loss	
Power loss, typ.	2.5 W
Address area	
Address space per module	
• Address space per module, max.	4 byte
Analog inputs	
Number of analog inputs	2
Cycle time (all channels) max.	0.25 ms
Input ranges (rated values), currents	
• 0 to 20 mA	Yes
— Input resistance (0 to 20 mA)	106 Ω
• 4 mA to 20 mA	Yes
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
Smoothing of measured values	
• parameterizable	Yes
• Step: None	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 current measurement as 2-wire transducer	Yes		
Errors/accuracies			
Operational error limit in overall temperature range			
• Current, relative to input range, (+/-)	0.3 %		
Basic error limit (operational limit at 25 °C)			
• Current, relative to input range, (+/-)	0.2 %		
Interrupts/diagnostics/status information			
Alarms			
• Hardware interrupt	Yes		
Diagnoses			
• Wire-break	Yes; at 4 to 20 mA		
• Group error	Yes		
• Overflow/underflow	Yes		
Diagnostics indication LED			
• Group error SF (red)	Yes		
Parameter			
Diagnostics wire break	at 4 to 20 mA		
Group diagnostics	1		
Overflow/underflow	1		
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		
Dimensions			
Width	15 mm		
Height	81 mm		
Depth	52 mm		
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	9	EC001596
	ETIM	8	EC001596
	ETIM	7	EC001596
	IDEA	4	3562
	UNSPSC	15	32-15-17-05

Approvals / Certificates			
General Product Approval			



KC



Test Certificates	Maritime application
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