



\*\*\* Spare part \*\*\* SIMATIC DP, Electronics module f. ET200S, 2AI Standard I-2DMU 15 mm width, 4.. 20mA; 13 bit for 2-wire transducer Cycle time 65 ms/channel with SF LED (group fault)

General information	
Product function	
<ul style="list-style-type: none"> <li>• Isochronous mode</li> </ul>	No
Supply voltage	
Load voltage L+	
<ul style="list-style-type: none"> <li>• Rated value (DC)</li> <li>• Reverse polarity protection</li> </ul>	24 V; From power module Yes; Destruction limit 35 mA per channel
Input current	
from load voltage L+ (without load), max.	80 mA
from backplane bus 3.3 V DC, max.	10 mA
Power loss	
Power loss, typ.	0.6 W
Address area	
Address space per module	
<ul style="list-style-type: none"> <li>• Address space per module, max.</li> </ul>	4 byte
Analog inputs	
Number of analog inputs	2
permissible input current for current input (destruction limit), max.	40 mA
Cycle time (all channels) max.	Number of active channels per module x basic conversion time
Input ranges (rated values), currents	
<ul style="list-style-type: none"> <li>• 4 mA to 20 mA</li> </ul>	Yes; on 50 ohms
Cable length	
<ul style="list-style-type: none"> <li>• shielded, max.</li> </ul>	200 m
Analog value generation for the inputs	
Measurement principle	integrating
Integration and conversion time/resolution per channel	
<ul style="list-style-type: none"> <li>• Resolution with overrange (bit including sign), max.</li> <li>• Integration time (ms)</li> <li>• Interference voltage suppression for interference frequency f1 in Hz</li> <li>• Conversion time (per channel)</li> </ul>	13 bit; 4 to 20 mA: 13 bit 16,7 / 20 ms 50 / 60 Hz 65 ms; 55 / 65 ms
Smoothing of measured values	
<ul style="list-style-type: none"> <li>• parameterizable</li> <li>• Step: None</li> <li>• Step: low</li> <li>• Step: Medium</li> <li>• Step: High</li> </ul>	Yes; In four stages by means of digital filtering Yes; 1x cycle time Yes; 4x cycle time Yes; 32x cycle time Yes; 64x cycle time
Encoder	

<b>Connection of signal encoders</b>	
<ul style="list-style-type: none"> <li>for current measurement as 2-wire transducer <ul style="list-style-type: none"> <li>Burden of 2-wire transmitter, max.</li> </ul> </li> </ul>	750 Ω
<b>Errors/accuracies</b>	
Operational error limit in overall temperature range	
<ul style="list-style-type: none"> <li>Current, relative to input range, (+/-)</li> </ul>	0.6 %
Basic error limit (operational limit at 25 °C)	
<ul style="list-style-type: none"> <li>Current, relative to input range, (+/-)</li> </ul>	0.4 %
<b>Interrupts/diagnostics/status information</b>	
Diagnoses	
<ul style="list-style-type: none"> <li>Wire break</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Group error</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Overflow/Underflow</li> </ul>	Yes
Diagnostics indication LED	
<ul style="list-style-type: none"> <li>Group error SF (red)</li> </ul>	Yes
<b>Parameter</b>	
Remark	4 byte
Group diagnostics	Disable / enable
Overflow/Underflow	Disable / enable
<b>Potential separation</b>	
Potential separation analog inputs	
<ul style="list-style-type: none"> <li>between the channels</li> </ul>	No
<ul style="list-style-type: none"> <li>between the channels and backplane bus</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Between the channels and load voltage L+</li> </ul>	No
<b>Isolation</b>	
Isolation tested with	500 V DC
<b>Dimensions</b>	
Width	15 mm
Height	81 mm
Depth	52 mm
<b>Weights</b>	
Weight, approx.	40 g
<b>Classifications</b>	

	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

<b>Approvals / Certificates</b>	
<b>General Product Approval</b>	



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[Miscellaneous](#)

[Manufacturer Declaration](#)



[Metrological Approval](#)

<b>General Product Approval</b>	<b>EMV</b>
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EG-Konf.



RCM

For use in hazardous locations



ATEX

[EM](#)



ATEX



UL



ATEX



IECEX

For use in hazardous locations

Maritime application

[Miscellaneous](#)

[CCC-Ex](#)



ABS



BUREAU  
VERITAS



DNV



LRS

Maritime application

[NK / Nippon Kaiji Ky-  
okai](#)



PRS



RINA

[CCS \(China Classifica-  
tion Society\)](#)

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