



Figure similar

*** Spare part *** SIMATIC DP, Electronics module for ET 200S, 2 AI Standard U 15 mm width, +/-10V; 13 bit+sign +/-5 V; 12 bit+sign, 1..5 V; 12-bit Cycle time 65 ms/channel with SF LED (group fault)

General information	
Product function	
• Isochronous mode	No
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.	30 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	
• 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; 35 V continuous; 75 V for max. 1 ms (mark to space ratio 1:20)
Cycle time (all channels) max.	Number of active channels per module x basic conversion time
Input ranges (rated values), voltages	
• 1 V to 5 V	Yes
• -10 V to +10 V	Yes
• -5 V to +5 V	Yes
Cable length	
• shielded, max.	200 m
Analog value generation for the inputs	
Measurement principle	integrating
Integration and conversion time/resolution per channel	
• Resolution with overrange (bit including sign), max.	14 bit; ±10 V: 13 bit + sign, ±5 V: 13 bit + sign; 1 to 5 V: 13 bit
• Integration time, parameterizable	Yes
• Integration time (ms)	16,7 / 20 ms
• Interference voltage suppression for interference frequency f1 in Hz	50 / 60 Hz
• Conversion time (per channel)	65 ms; 55 / 65 ms
Smoothing of measured values	
• Parameterizable	Yes; In four stages by means of digital filtering
• Step: None	Yes; 1x cycle time

- | | |
|----------------|---------------------|
| • Step: low | Yes; 4x cycle time |
| • Step: Medium | Yes; 32x cycle time |
| • Step: High | Yes; 64x cycle time |

Errors/accuracies

Operational error limit in overall temperature range	
• Voltage, relative to input range, (+/-)	0.6 %
Basic error limit (operational limit at 25 °C)	
• Voltage, relative to input range, (+/-)	0.4 %

Interrupts/diagnostics/status information

Diagnoses	
• Wire break	Yes; Measuring range 1 to 5 V only
• 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



[EM](#)



For use in hazardous locations

Maritime application

[Miscellaneous](#)

[CCC-Ex](#)



Maritime application

Environment

[NK / Nippon Kaiji Kyokai](#)



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

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

[China RoHS](#)

last modified:

8/22/2025