

# SIEMENS

## Product data sheet

**6ES7332-8TF01-0AB0**


SIMATIC DP, HART ANALOG OUTPUT SM 332,  
8AO, 0/4 - 20MA HART,  
FOR ET200M WITH IM153-2,  
20 PIN FEATURES: FW UPDATE,  
HART SECONDARY VARIABLES, REDUNDANCY,  
LOCAL DIAGNOSTIC BUFFER WITH TIMESTAMP,

<b>Supply voltage</b>	
Load voltage L+	
Rated value (DC)	24 V
<b>Input current</b>	
from load voltage L+ (without load), max.	350 mA
from backplane bus 5 V DC, max.	110 mA
<b>Power losses</b>	
Power loss, typ.	6 W
<b>Analog outputs</b>	
Number of analog outputs	8
Cable length, shielded, max.	800 m
Current output, no-load voltage, max.	24 V
<b>Output ranges, current</b>	
0 to 20 mA	Yes
-20 to +20 mA	No

4 to 20 mA	Yes
Load impedance (in rated range of output)	
with current outputs, max.	750 $\Omega$
with current outputs, inductive load, max.	10 mH
Analog value creation	
Integrations and conversion time/ resolution per channel	
Resolution with overrange (bit including sign), max.	16 bit
Settling time	
for resistive load	0.1 ms
for inductive load	0.5 ms
Errors/accuracies	
Operational limit in overall temperature range	
Current, relative to output area	+/- 0,2 %
Basic error limit (operational limit at 25 °C)	
Current, relative to output area	+/- 0,1 %
Interrupts/diagnostics/status information	
Substitute values connectable	Yes
Alarms	
Diagnostic alarm	Yes
Diagnoses	
Diagnostic information readable	Yes
Diagnostics	Yes
Diagnostics indication LED	
Group error SF (red)	Yes
Galvanic isolation	
Galvanic isolation analog outputs	
between the channels and the backplane bus	Yes
Isolation	
Isolation checked with	500 V DC
Connection method	
required front connector	20-pin
Dimensions and weight	
Dimensions	

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Width	40 mm
Height	125 mm
Depth	117 mm
<b>Weight</b>	
Weight, approx.	220 g
Status	Aug 25, 2011