

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7332-8TF01-0AB0

Eight-Channel HART Analog Output Module



CURRENT OUTPUTS	RANGES	COMMUNICATION	CONNECTOR
8	0/4-20 mA	HART monodrop	20 pins

Siemens 6ES7332-8TF01-0AB0 is an SM 332 HART analog output module for ET 200M distributed I/O. Its eight channels provide configurable current outputs alongside communication with compatible field devices. Channel parameters, diagnostics and substitute values are assigned through the supported engineering environment.

01

VERIFIED TECHNICAL INFORMATION

Analog output channels	8
Current ranges	0-20 mA and 4-20 mA
Output resolution	15 bits for 0-20 mA; 15 bits plus sign for 4-20 mA
Rated load voltage	24 V DC, reverse-polarity protected
Backplane current	110 mA maximum
Typical power loss	6 W
Module cycle time	10 ms in AO mode; 50 ms in HART mode

Manufacturer evidence: HART analog modules; exact-model manual section and manufacturer data sheet.

02 TECHNICAL INFORMATION CONTINUED

Settling time	AO: 0.1 ms resistive, 0.5 ms with 10 mH; HART: 40-50 ms
Operational error	±0.2% of output range over the temperature range
Basic error at 25°C	±0.1% of output range
Maximum load	750 ohm resistive; 10 mH inductive
Shielded cable length	800 m maximum
HART communication current	At least 1.17 mA output current
Simultaneous outputs	Horizontal: 8 through 40°C, 4 through 60°C; vertical: 8 through 40°C
Front connector	20 pins

03 SOURCE AND CONFIGURATION CHECKS

The module supports analog output readback and documented redundant operating arrangements. HART communication requires sufficient loop current, while temperature affects the number of simultaneously usable outputs. The outputs are isolated from the backplane and load supply, but not individually from one another.

Packed dimensions and supplied-unit origin must be checked against the actual delivery. No verified gross shipping weight is inferred from module net mass.

Siemens original documentation and product reference

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