

SIMATIC ET 200SP HA

Product Data Sheet

6DL1134-6UD00-0PK0

Isolated Four Channel HART Input

ANALOG CURRENT INPUTS 4 channels; 2-/4-wire HART	RATED CURRENT MEASUREMENT RANGES 0 to 20 mA; 4 to 20 mA	INPUT RESISTANCE 250 ohm	INPUT DESTRUCTION-CURRENT LIMIT 30 mA maximum
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Siemens 6DL1134-6UD00-0PK0 is a four-channel isolated HART analog input module for SIMATIC ET 200SP HA. It acquires current signals from compatible two-wire or four-wire process transmitters within the configured high-availability distributed I/O station.

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VERIFIED TECHNICAL DATA

Analog current inputs	4 channels; 2-/4-wire HART
Rated current measurement ranges	0 to 20 mA; 4 to 20 mA
Input resistance	250 ohm
Input destruction-current limit	30 mA maximum
Maximum measurement resolution	16 bits including sign; filtering-dependent
Nominal module supply	24 V DC
Permitted module voltage	19.2 to 28.8 V DC
Supply current demand	184 mA unloaded sensor supply; 234 mA maximum at 1.5 kohm sensor-supply load
Sensor supply current capacity	23.5 mA/channel; 88 mA/module
Typical power loss	1.8 W

ADDITIONAL PRODUCT DATA

Input address allocation	9 bytes normal; 29 bytes HART; 16 bytes MultiHART
Maximum shielded signal cable	800 m
Linearity and repeatability	±0.01% linearity; ±0.05% repeatability at 25 deg C
Current measurement error limits	±0.1% at 25 deg C; ±0.5% over operating range
Operating temperature limits	-40 to 70 deg C horizontal or vertical; observe derating

DOCUMENTED USE SETTINGS

Chemical Production and Process Measurement: Chemical Production Process Measurement.

Water Treatment and Process Monitoring: Water Treatment Process Measurement.

Energy Production and Process Measurement: Power Generation Process Measurement.

SYSTEM COMPATIBILITY

Configure the AI 4xI HART isolated HA module with the supported terminal-block arrangement and engineering version. The exact datasheet lists TIA Portal V17, STEP 7 V5.6, PCS 7 V9.1 and PCS neo V3.0 integration levels.

PRODUCT EVIDENCE

Siemens exact-article technical data, 6DL1134-6UD00-0PK0