

SIMATIC ET 200SP HA DI 16

Product Data Sheet

6DL1131-6BH00-0PH1

High Availability Digital Input Module

DIGITAL INPUT ALLOCATION	RATED SUPPLY VOLTAGE	PERMITTED DC SUPPLY	ELECTRONICS CONSUMPTION
16 channels, P-reading	24 V DC	19.2 to 28.8 V	60 mA rated; 120 mA maximum, excluding sensors

Siemens 6DL1131-6BH00-0PH1 is the DI 16x24VDC HA input module for SIMATIC ET 200SP HA. It acquires sixteen digital field signals for compatible process-automation stations.

01 VERIFIED TECHNICAL DATA

Digital input allocation	16 channels, P-reading
Rated supply voltage	24 V DC
Permitted DC supply	19.2 to 28.8 V
Electronics consumption	60 mA rated; 120 mA maximum, excluding sensors
Sensor supply channels	16 protected outputs
Minimum sensor supply	18.2 V
Sensor short-circuit threshold	0.7 to 1.3 A; up to 2.6 A redundant
Backplane power requirement	80 mW
Worst-case module power loss	3.6 W
Address allocation	2 input bytes plus 2 quality bytes

ADDITIONAL PRODUCT DATA

Signal zero threshold	-30 to +5 V
Signal one threshold	11 to 30 V
Typical input current	2.5 mA
Selectable input delays	None; 0.05/0.1/0.4/0.8/1.6/3.2/12.8/20 ms
Isolation test	1500 V DC for 1 minute

DOCUMENTED USE SETTINGS

Chemical Manufacturing and Continuous Process Control: Chemical Production Process Automation.

Pharmaceutical Manufacturing and Batch Processing: Pharmaceutical Batch Process Control.

Power Generation and Industrial Energy Processing: Electric Power Generation Control.

SYSTEM COMPATIBILITY

Integrate 6DL1131-6BH00-0PH1 only in the documented SIMATIC ET 200SP HA DI 16 configuration. Match the installed interfaces and the engineered application before selecting this high availability digital input module.

PRODUCT EVIDENCE

Siemens technical documentation for 6DL1131-6BH00-0PH1