

SIMATIC ET 200PA SMART+ DI 32X24VDC PA

Product Data Sheet

6DL1161-6BL00-0PH1

32-channel digital input module

DIGITAL INPUT CHANNELS	SUPPLY VOLTAGE RANGE	RATED INPUT VOLTAGE	INPUT VOLTAGE FOR LOGIC 0
32	19.2 to 28.8 V DC	24 V DC	-30 to +5 V

Siemens 6DL1161-6BL00-0PH1 is the DI 32x24VDC PA digital input module for the SIMATIC ET 200PA SMART+ distributed I/O platform. It acquires compatible 24 V DC field signals for configured process automation stations.

01 VERIFIED TECHNICAL DATA

Digital input channels	32
Supply voltage range	19.2 to 28.8 V DC
Rated input voltage	24 V DC
Input voltage for logic 0	-30 to +5 V
Input voltage for logic 1	+11 to +30 V
Typical input current for logic 1	2.5 mA
Rated electronics current	11.5 mA
Maximum electronics current	15 mA
Typical power loss	1.6 W
Maximum power loss with all inputs 1	2.8 W

ADDITIONAL PRODUCT DATA

Input and quality address space	4 input bytes + 4 QI bytes
Rising-edge input delay	3.2 to 5.3 ms
Falling-edge input delay	2.9 to 4.5 ms
Maximum shielded cable length	1000 m
Isolation type-test voltage	1500 V DC for 1 minute

DOCUMENTED USE SETTINGS

Chemical Manufacturing and Petrochemical Process Production: Industrial Chemical Production.

Electricity Generation and Industrial Heat Production: Thermal Electric Power Generation.

Oil Refining and Natural Gas Processing: Crude Oil Refining.

SYSTEM COMPATIBILITY

6DL1161-6BL00-0PH1 belongs to the SIMATIC ET 200PA SMART+ DI 32x24VDC PA family and provides the documented 32-channel digital input module function. Its digital input channels is 32; match this characteristic to the connected equipment and the project configuration.

PRODUCT EVIDENCE

Siemens A5E51654125-AA, June 2023, exact-model specifications pages 29 to 31; public manufacturer-manual copy

AMIKON PRODUCT SUPPORT

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