SIMADYN D IT41

Product Data Sheet

6DD1606-3AC0

Mixed Signal Expansion Module

BINARY CHANNEL ALLOCATION	ANALOG CHANNEL ALLOCATION	INCREMENTAL ENCODER CAPACITY	ANALOG INPUT RANGE
16 inputs and 16 outputs	**4 inputs and 4 outputs**	**4 encoders**	**-10 to +10 V**

Siemens 6DD1606-3AC0 is the IT41 mixed-signal expansion module for compatible SIMADYN D processor arrangements. It extends the engineered control application with binary, analog and incremental-encoder connections.

01 VERIFIED TECHNICAL DATA

Binary channel allocation	16 inputs and 16 outputs
Analog channel allocation	4 inputs and 4 outputs
Incremental encoder capacity	4 encoders
Analog input range	-10 to +10 V
Analog input resolution	12 bits
Maximum analog conversion time	45 micros
Analog input resistance	470 kohm
Input filter cutoff	1.5 kHz at -3 dB
Analog output resolution	16 bits
Analog output drive	±10 mA

Values follow the unit photographs and applicable documents identified on page 2.

02 ADDITIONAL PRODUCT DATA

Binary input delay	50 micros
Typical binary input current	3 mA at signal one
Binary output rated current	50 mA
Maximum binary switching delay	15 micros
Maximum encoder track frequency	1 MHz

03 DOCUMENTED USE SETTINGS

Metal Processing and Rolling Processing: Steel Rolling Process Control.

Pulp Processing and Paper Processing: Pulp Preparation and Processing.

Mining and Mineral Processing Processing: Mineral Processing and Beneficiation.

04 SYSTEM COMPATIBILITY

Integrate 6DD1606-3AC0 only in the documented SIMADYN D IT41 configuration. Match the installed interfaces and the engineered application before selecting this mixed signal expansion module.

05 PRODUCT EVIDENCE

Siemens Hardware SIMADYN D, 12/2004, IT41 section 5.3

AMIKON PRODUCT SUPPORT

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