

SIMATIC ET 200X

Product Data Sheet

6ES7144-1GB31-0XB0

EM 144 two-channel analog current input module

ANALOG INPUT CHANNELS	MAXIMUM SUPPLY CURRENT	SENSOR SUPPLY OUTPUTS	MAXIMUM SENSOR SUPPLY CURRENT
2	40 mA	2	0.9 A up to 40 deg C; 0.7 A up to 55 deg C

Siemens 6ES7144-1GB31-0XB0 is the EM 144 analog expansion module for SIMATIC ET 200X distributed I/O. It acquires two current signals from compatible four-wire transducers in a configured automation station.

01 VERIFIED TECHNICAL DATA

Analog input channels	2
Maximum supply current	40 mA
Sensor supply outputs	2
Maximum sensor supply current	0.9 A up to 40 deg C; 0.7 A up to 55 deg C
Typical power loss	0.9 W
Input current ranges	±20 mA / 4 to 20 mA
Input resistance	25 ohm
Maximum permissible input current	40 mA
Resolution	12 bits plus sign
Overrange	17.5%

ADDITIONAL PRODUCT DATA

Integration times	16.7 ms / 20 ms
Interference suppression frequencies	50 Hz / 60 Hz
Maximum shielded cable length	30 m
Transducer connection	4-wire
Enclosure protection	IP66/67

DOCUMENTED USE SETTINGS

Automotive Production and Component Manufacturing: Automotive Component Manufacturing.

Packaging Production and Industrial Material Processing: Industrial Packaging Production.

Food Processing and Beverage Production Operations: Food Production and Processing.

SYSTEM COMPATIBILITY

6ES7144-1GB31-0XB0 belongs to the SIMATIC ET 200X family and provides the documented em 144 two-channel analog current input module function. Its analog input channels is 2; match this characteristic to the connected equipment and the project configuration.

PRODUCT EVIDENCE

Siemens SIMATIC ET 200X manufacturer documentation; applicable pages 1, 2, 3

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM