SM 431 ANALOG INPUT MODULE

Product Data Sheet

6ES7431-1KF00-0AB0

eight-channel analog input module

FUNCTION	FAMILY	ORIGIN	WEIGHT
eight-channel analog input module	**SM 431 analog input module**	**Germany**	**0.759 kg**

S7-400 6ES7431-1KF00-0AB0 is a eight-channel analog input module for the SM 431 analog input module. The values below are limited to the exact documented article.

01 VERIFIED TECHNICAL DATA

Article number	6ES7431-1KF00-0AB0
from backplane bus 5 V DC, max.	350 mA
Power loss, typ.	1.8 W
Number of analog inputs	8
For resistance measurement	4
permissible input voltage for voltage input (destruction limit), max.	50 V
permissible input current for current input (destruction limit), max.	50 mA; 40 mA continuous
Constant measurement current for resistance-type transmitter, typ.	1.67 mA
Voltage	Yes
Thermocouple	No

02 ADDITIONAL PRODUCT DATA

Input resistance (1 V to 5 V)	200 kΩ
Input resistance (-20 mA to +20 mA)	80 Ω

03 OFFICIAL APPLICATIONS

- Gas treatment and metering stations: Machine Control Systems
- Polymer preparation and extrusion lines: Facility Automation Systems
- Tablet compression and coating suites: Remote Station Systems

04 SYSTEM COMPATIBILITY

Match 6ES7431-1KF00-0AB0 to the installed SM 431 analog input module, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

05 OFFICIAL SOURCES

Siemens official manufacturer documentation

Local manufacturer PDF: 6ES7416-3ER05-0AB0.pdf

AMIKON PRODUCT SUPPORT

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