

SIMATIC ET 200PA SMART

Product Data Sheet

6ES7650-8AR60-0AA0

Thermocouple and RTD input module

INPUT CAPACITY	BACKPLANE VOLTAGE	BACKPLANE CURRENT	POWER LOSS
8 thermocouples or 4 RTDs	5 V DC	120 mA maximum	0.6 W

Siemens 6ES7650-8AR60-0AA0 is a temperature and millivolt input module in the SIMATIC ET 200PA SMART distributed I/O range. It acquires thermocouple, resistance-temperature and low-level voltage measurements for compatible process-control stations.

01

VERIFIED TECHNICAL DATA

Input capacity	8 thermocouples or 4 RTDs
Backplane voltage	5 V DC
Backplane current	120 mA maximum
Power loss	0.6 W
RTD excitation current	0.5 mA
Voltage ranges	±25/50/80/250/500 mV, ±1 V
Input resistance	10 Mohm
Thermocouple types	B, E, J, K, L, N, R, S, T, U
RTD types	Ni100, Ni200, Pt100, Pt200
Resistance ranges	0 to 150/300/600 ohm

ADDITIONAL PRODUCT DATA

ADC resolution	16 bits maximum, including sign
Integration times	2.5 / 16.67 / 20 / 100 ms
Linearity error	±0.003%
Temperature error	±0.002%/K
Insulation test	500 V AC / 707 V DC

DOCUMENTED USE SETTINGS

Chemical Manufacturing and Industrial Process Production: Industrial Chemical Process Production.

Electricity Generation and Process Heating: Thermal Power Process Monitoring.

Food Production and Beverage Manufacturing Processes: Food Ingredient Processing.

SYSTEM COMPATIBILITY

Siemens 6ES7650-8AR60-0AA0 is a temperature and millivolt input module in the SIMATIC ET 200PA SMART distributed I/O range. It acquires thermocouple, resistance-temperature and low-level voltage measurements for compatible process-control stations.

PRODUCT EVIDENCE

Siemens SIMATIC ET 200PA SMART technical documentation

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM