AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7180-0AA00-0XA0

PROFIBUS DP Master Interface

FUNCTION	BUS RATE	HOST LINK	SUPPLY
DP master interface	**Up to 12 Mbit/s**	**Dual-port RAM**	**5 V DC**

Siemens 6ES7180-0AA00-0XA0 is the IM 180 interface module listed for PROFIBUS DP master applications. It connects a field device to the bus through an ASPC 2 communication ASIC and an 80C165 processor, with data rates up to 12 Mbit/s.

01 VERIFIED TECHNICAL INFORMATION

Catalog application role	PROFIBUS DP master applications
Communication protocol	PROFIBUS DP
Maximum data transmission rate	12 Mbit/s
Communication ASIC	ASPC 2
Microprocessor	80C165 at 40 MHz
Catalog firmware size	80 KB; not an installed firmware-version statement
RAM configuration	2 × 128 KB

Manufacturer evidence: IK PI 2005 - PROFIBUS Technology Components: Interface modules; exact-model manual section.

02 TECHNICAL INFORMATION CONTINUED

Host-system interface	Dual-port RAM
Program-storage architecture	OTP-EEPROM
Permissible environmental temperature	0 to +70 °C
Power supply	5 V DC
Typical current consumption	250 mA
Board dimensions	100 × 100 mm; not packed dimensions

03 SOURCE AND CONFIGURATION CHECKS

A dual-port RAM interface links the module to the host system. The board combines processor, communication, program-storage and working-memory functions in a 100 by 100 mm assembly. Siemens separately identifies the IM 181 carrier board for use in an ISA-bus PC.

Packed dimensions and supplied-unit origin must be checked against the actual delivery. No verified gross shipping weight is inferred from module net mass.

Original Siemens documentation (third-party-hosted copy)

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