AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7183-0AA01-0XA0

PROFIBUS DP Slave Interface

FUNCTION	PROCESSOR	ASIC	SRAM
DP slave interface	**80C32 / 20 MHz**	**SPC3**	**32 KB**

Siemens 6ES7183-0AA01-0XA0 identifies the IM 183-1 slave interface module. Its SPC 3 ASIC and isolated RS485 interface provide PROFIBUS DP communication up to 12 Mbit/s. An onboard 80C32 processor supports the customer-specific firmware architecture described in the Siemens user manual.

01 VERIFIED TECHNICAL INFORMATION

Application role	PROFIBUS DP slave interface
Communication protocol	PROFIBUS DP
Maximum data transmission rate	12 Mbit/s
Communication ASIC	SPC 3
Microprocessor	80C32 at 20 MHz
Working memory	32 KB SRAM
EPROM capacity	32 KB or 64 KB, selected by jumper

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

02 TECHNICAL INFORMATION CONTINUED

PROFIBUS physical interface	Isolated RS485; 10-pole connector
Additional serial interface	RS232; 14-pole connector
Host-bus connection	50-pole connector
Module supply	5 V DC via host interface
Isolated interface supply	Separate isolated 5 V supplied by host application; fuse required
Typical current consumption	250 mA in catalog; not isolated-supply maximum
Permissible environmental temperature	0 to +70 °C
Watchdog/reset circuit	MAX705; fixed watchdog time; watchdog jumper control

03 SOURCE AND CONFIGURATION CHECKS

The module includes SRAM, selectable EPROM capacity, an RS232 interface and a host-bus connector. Siemens describes it as a platform for firmware testing, demonstrations and customer-specific systems. Host software and memory mapping remain important integration factors; similar connectors do not establish software interchangeability.

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)

Siemens 1 August 1996; release V1.1; copyright 1997; M2 source pp. 1,4,6-7,10,15,17

AMIKON PRODUCT SUPPORT

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