AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7184-0AA00-0XA0

Compact PROFIBUS Slave Interface

FUNCTION	ASIC	I/O	BUS RATE
Simple DP slave	**LSPM2**	**32 configurable bits**	**Up to 12 Mbit/s**

Siemens 6ES7184-0AA00-0XA0 is the IM 184 PROFIBUS DP slave interface module. It uses an LSPM 2 ASIC and an isolated RS485 interface to connect simple customer devices. The module detects the bus rate automatically and supports communication up to 12 Mbit/s.

01 VERIFIED TECHNICAL INFORMATION

Application role	Simple PROFIBUS DP slave applications
Communication protocol	PROFIBUS DP
Communication ASIC	LSPM 2
Maximum data transmission rate	12 Mbit/s
Bus-rate detection	Automatic
I/O signal capacity	32 input/output bits in total; not 32 inputs plus 32 outputs
Separate microprocessor requirement	Not necessary in the catalog architecture

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

02 TECHNICAL INFORMATION CONTINUED

Host connection	Two 34-pole plug connectors
Physical bus interface	Isolated RS485; 10-pole connector
Module supply	5 V DC via host interface
Isolated interface supply	Separate isolated 5 V generated by host application; fuse required
Typical current consumption	150 mA in catalog; not isolated-interface maximum
Permissible environmental temperature	0 to +70 °C
Board dimensions	Approximately 85 × 64 mm; not packed dimensions
Status indicators	RUN, BUS-ERROR and DIAGNOSIS

03 SOURCE AND CONFIGURATION CHECKS

Its architecture provides thirty-two configurable input/output bits without the separate microprocessor and firmware requirements shown for IM 183-1. Two host connectors expose the signals and settings, while RUN, BUS-ERROR and DIAGNOSIS indicators support status observation. Host wiring and port configuration remain application-specific.

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 18 July 1995; release V1.0; copyright 1996; M2 source pp. 1,4,6-7,10,12-14

AMIKON PRODUCT SUPPORT

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