SIMATIC ET 200SP IM 155-6 DP HF

Product Data Sheet

6ES7155-6BA00-0CN0

PROFIBUS interface module bundle

FIELDBUS PROTOCOL	PHYSICAL BUS INTERFACE	MAXIMUM BUS RATE	MAXIMUM ET 200SP MODULES
PROFIBUS DP slave	**RS485**	**12 Mbit/s**	**32 I/O modules**

Siemens 6ES7155-6BA00-0CN0 is a SIMATIC ET 200SP PROFIBUS interface bundle centered on the IM 155-6 DP HF. It connects an ET 200SP station to a PROFIBUS DP master at rates up to 12 Mbit/s and supports up to 32 local I/O modules plus 16 ET 200AL modules.

01 TECHNICAL DATA

Fieldbus protocol	PROFIBUS DP slave
Physical bus interface	RS485
Maximum bus rate	12 Mbit/s
Maximum ET 200SP modules	32 I/O modules
ET 200AL expansion	16 modules via BU/BA Send
Maximum station address space	244 bytes each for inputs and outputs
Maximum per-module address space	32 bytes each for inputs and outputs
Supply voltage	24 V DC, permissible 19.2...28.8 V
Maximum current consumption	250 mA
Maximum inrush current	4.5 A

02 ADDITIONAL PRODUCT DATA

Typical power loss	1.5 W
Mains buffering	5 ms
Operating module replacement	Multi-hot swapping supported
STEP 7 support	TIA Portal V13 SP1; STEP 7 V5.5 SP4 or later
DP services	DPV0, DPV1, SYNC and FREEZE

03 PRODUCT FUNCTION

The bundle contains interface module 6ES7155-6BU00-0CN0, server module 6ES7193-6PA00-0AA0 and PROFIBUS connector 6ES7972-0BB70-0XA0. It supports multi-hot swapping, dataset-based configuration control and separate station input and output address areas of up to 244 bytes each.

04 SYSTEM COMPATIBILITY

Provide 19.2...28.8 V DC and connect the PROFIBUS RS485 interface with the correct address, line topology, shielding and termination. Limit the local station to 32 ET 200SP I/O modules and the supported 16 ET 200AL extension modules via BU/BA Send.

05 REFERENCE

Siemens 6ES7155-6BA00-0CN0 official product data sheet

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