SIMATIC ET 200M IM 153-2

Product Data Sheet

6ES7153-2BA02-0XB0

PROFIBUS DP Station Interface Module

NOMINAL INPUT SUPPLY	PERMITTED SUPPLY RANGE	MAXIMUM INPUT CURRENT	TYPICAL INPUT INRUSH
24 V DC	**20.4 to 28.8 V DC**	**600 mA**	**3 A**

Siemens 6ES7153-2BA02-0XB0 is a SIMATIC ET 200M IM 153-2 High Feature PROFIBUS DP interface module. It links a distributed station of up to twelve compatible S7-300 modules to the controller network for process and production automation.

01 VERIFIED TECHNICAL DATA

Nominal input supply	24 V DC
Permitted supply range	20.4 to 28.8 V DC
Maximum input current	600 mA
Typical input inrush	3 A
Backplane supply capability	5 V DC; 1.5 A maximum
Typical power dissipation	5.5 W
Maximum connected I/O modules	12 S7-300 modules
Process address capacity	244 input bytes; 244 output bytes
Timestamp accuracy by configuration	1 ms with up to 8 modules; 10 ms with up to 12
Timestamped signal capacity	128 per station; 32 per slot

Values follow the unit photographs and applicable documents identified on page 2.

02 ADDITIONAL PRODUCT DATA

PROFIBUS node address range	1 to 125
PROFIBUS physical connection	RS485; 9-pin D-sub
Maximum PROFIBUS transmission	12 Mbit/s; automatic baud-rate detection
Isolation test rating	500 V
Operating conditions	IP20; 0 to 60 deg C; altitude up to 3,000 m

03 DOCUMENTED USE SETTINGS

Chemical Manufacturing and Process Production: Chemical Production Process Automation.

Water Treatment and Wastewater Process Control: Water Supply Process Control.

Power Production and Energy Process Control: Electricity Production Process Automation.

04 SYSTEM COMPATIBILITY

Integrate 6ES7153-2BA02-0XB0 as the configured PROFIBUS DP slave interface for a compatible ET 200M station. Check the twelve-module and 244-byte addressing limits against the hardware project.

05 PRODUCT EVIDENCE

Siemens exact-article technical data, 6ES7153-2BA02-0XB0

AMIKON PRODUCT SUPPORT

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