SIMATIC ET 200M IM 153-2

# Product Data Sheet

## 6ES7153-2BA82-0XB0

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** | **650 mA** | **3 A** |

Siemens 6ES7153-2BA82-0XB0 is the outdoor version of the SIMATIC ET 200M IM 153-2 High Feature interface module. It connects up to twelve compatible S7-300 I/O modules to PROFIBUS DP in a configured distributed station, with support for redundancy and signal timestamping.

## 01 VERIFIED TECHNICAL DATA

| | |
|---|---|
| Nominal input supply | 24 V DC |
| Permitted supply range | 20.4 to 28.8 V DC |
| Maximum input current | 650 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; -25 to 60 deg C; altitude up to 3,000 m |

## 03 DOCUMENTED USE SETTINGS

Manufacturing and Industrial Process Automation: Industrial Production Process Automation.

Chemical Processing and Industrial Production: Chemical Manufacturing Process Control.

Water Processing and Treatment Automation: Water Treatment and Distribution.

## 04 SYSTEM COMPATIBILITY

Integrate 6ES7153-2BA82-0XB0 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, 6ES7153-2BA82-0XB0

**AMIKON PRODUCT SUPPORT**

+86-18020776786 INFO@AMIKON.CN **AMIKONG.COM**