SIMATIC ET 200SP

# Product Data Sheet

## 6ES7138-6AA00-0BA0

TM Count 1x24V Counter Module

| COUNTER CHANNELS | ENCODER INPUT VOLTAGE | MAXIMUM ENCODER INPUT FREQUENCY | MAXIMUM COUNTING FREQUENCY |
|---|---|---|---|
| **1** | **24 V** | **200 kHz** | **800 kHz with quadruple evaluation** |

Siemens 6ES7138-6AA00-0BA0 is the TM Count 1x24V Counter Module for SIMATIC ET 200SP. The TM Count module evaluates pulses and incremental encoder signals in an ET 200SP station.

## 01 TECHNICAL DATA

| | |
|---|---|
| Counter channels | 1 |
| Encoder input voltage | 24 V |
| Maximum encoder input frequency | 200 kHz |
| Maximum counting frequency | 800 kHz with quadruple evaluation |
| Maximum two-wire sensor quiescent current | 1.5 mA |
| Input characteristics | IEC 61131 Type 3 |
| Encoder input topology | Sinking or sourcing |
| Maximum shielded cable at 200 kHz | 50 m |

## 02 ADDITIONAL PRODUCT DATA

Counter channels is specified as 1. The published data also lists 24 V for encoder input voltage and 200 kHz for maximum encoder input frequency.

## 03 PRODUCT FUNCTION

The TM Count module evaluates pulses and incremental encoder signals in an ET 200SP station. Review the host documentation for the installed SIMATIC ET 200SP configuration.

## 04 SYSTEM COMPATIBILITY

Match the configured encoder mode, evaluation factor and cable length to the encoder data. Compare the project settings with the corresponding product ratings.

## 05 REFERENCE

Siemens ET 200SP TM Count 1x24V Manual, Technical Specifications

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