

Technical Data

Product type designation



COMMUNICATION MODULE CM 1243-5 FOR CONNECTION OF SIMATIC S7-1200 TO PROFIBUS AS DP MASTER MODULE; PG/OP COMMUNICATION; S7-COMMUNICATION

Transmission rate

Transmission rate / at interface 1 / in accordance with PROFIBUS 9.6 kbit/s...12 Mbit/s

Interfaces

Number of electrical connections

- at interface 1 / in accordance with PROFIBUS 1
- for power supply 1

Supply voltage, current consumption, power loss

Type of voltage / of supply voltage DC

Supply voltage

- external 24 V

Relative positive tolerance / at 24 V / with DC 20 %

Relative negative tolerance / at 24 V / with DC 20 %

Consumed current

- [nicht versorgt - aus externer Versorgungsspannung] / [nicht versorgt - bei 24 V] / [nicht versorgt - bei DC] 0.1 A
- [nicht versorgt - typisch] 0.1 A

Resistive loss 2.4 W

Permitted ambient conditions

Ambient temperature

- for vertical installation / during operating phase 0 °C...45 °C
- for horizontal installation / during operating phase 0 °C...55 °C
- during storage -40 °C...70 °C
- during transport -40 °C...70 °C

Relative humidity / at 25 °C / without condensation / during operating / maximum 95 %

Protection class IP IP20

Design, dimensions and weight

Width 30 mm
 Height 100 mm
 Depth 75 mm
 Net weight 0.134 kg

Product properties, functions, components / general

Number of modules

- per CPU / maximum 1

Performance data

Performance data / PROFIBUS DP

Service / [nicht versorgt - als DP-Master] / [nicht versorgt - DPV1] Yes

Number of DP slaves / on DP master / usable 16

Amount of data

- of the address area of the inputs / [nicht versorgt - als DP-Master] / [nicht versorgt - gesamt] 512 byte
- of the address area of the outputs / [nicht versorgt - als DP-Master] / [nicht versorgt - gesamt] 512 byte
- of the address area of the inputs / [nicht versorgt - je DP-Slave] 244 byte
- of the address area of the outputs / [nicht versorgt - je DP-Slave] 244 byte
- [nicht versorgt - des Adressbereiches der Diagnosedaten] / [nicht versorgt - je DP-Slave] 240 byte

Service / [nicht versorgt - als DP-Slave]

- [nicht versorgt - DPV0] No
- [nicht versorgt - DPV1] No

Performance data / S7 communication

Number of possible connections / [nicht versorgt - für S7-Kommunikation]

- [nicht versorgt - maximal] 8
- with PG connections / maximum 1
- with PG/OP connections / maximum 3

Performance data / multi-protocol mode
Number of active connections / with multi-protocol mode

- without DP / maximum 8
- with DP / maximum 8

letzte Änderung: Oct 1, 2011