

SIEMENS

Product data sheet

6ES7964-2AA04-0AB0


SIMATIC S7,
IF964-DP INTERFACE MODULE DP MASTER FOR
S7-400

Input current

from CPU, max.

150 mA ; Current consumption from S7-400 bus: The module uses no current at 24 V, it provides this voltage only at the DP interface. Total current consumption of the components connected to the DP interface, but maximum 150 mA. Current carrying capacity of the isolated 5 V (P5ext) maximum 90 mA, current carrying capacity of the 24 V maximum 150 mA.

Power losses

Power loss, typ.

1 W

Interfaces

PROFIBUS DP

Cable length, max.

1200 m ; At 9.6 kbit/s: max. 1200 m; at 12 Mbit/s: max. 100 m

1st interface

Physics

RS 485

Isolated

Yes

Functionality	
DP master	Yes ; Default setting
DP slave	Yes
DP master	
Services	
PG/OP communication	Yes
Equidistance mode support	Yes
SYNC/FREEZE	Yes
Direct data exchange (slave-to-slave communication)	Yes
Transmission rate, max.	12 Mbit/s
Transmission rate, min.	9.6 kbit/s
Number of DP slaves, max.	125 ; depending on the CPU used
Address area	
Inputs, max.	device-dependent
Outputs, max.	device-dependent
User data per DP slave	
Inputs, max.	244 byte
Outputs, max.	244 byte
Communication functions	
Number of connections	
overall	device-dependent
Dimensions	
Width	26 mm
Height	54 mm
Depth	130 mm
Weight	
Weight, approx.	65 g
Status	Nov 16, 2011