



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

<b>Input current</b>	
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.
<b>Power losses</b>	
Power loss, typ.	1 W
<b>Interfaces</b>	
PROFIBUS DP	
Cable length	
— Cable length, max.	1 200 m; At 9.6 kbit/s: max. 1200 m; at 12 Mbit/s: max. 100 m
<b>1. Interface</b>	
Physics	RS 485
Isolated	Yes
Functionality	
• DP master	Yes; Default setting
• DP slave	Yes
DP master	
• Transmission rate, min.	9.6 kbit/s
• Transmission rate, max.	12 Mbit/s
• Number of DP slaves, max.	125; depending on the CPU used
Services	

— PG/OP communication	Yes
— Equidistance mode support	Yes
— SYNC/FREEZE	Yes
— Direct data exchange (slave-to-slave communication)	Yes
<b>Address area</b>	
— Inputs, max.	device-dependent
— Outputs, max.	device-dependent
<b>User data per DP slave</b>	
— Inputs, max.	244 byte
— Outputs, max.	244 byte
<b>Communication functions</b>	
<b>Number of connections</b>	
• overall	device-dependent
<b>Dimensions</b>	
Width	26 mm
Height	54 mm
Depth	130 mm
<b>Weights</b>	
Weight, approx.	65 g
<b>last modified:</b>	05.02.2015