



SIMATIC S7, IF964-DP Interface module DP master for S7-400

Input current			
Current consumption, 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 loss			
Power loss, typ.		1 W	
Interfaces			
PROFIBUS DP			
● Cable length, max.		1 200 m; At 9.6 kbit/s: max. 1 200 m; at 12 Mbit/s: max. 100 m	
1. Interface			
Isolated		Yes	
Protocols			
● PROFIBUS DP master		Yes; Default setting	
● PROFIBUS DP device		Yes	
PROFIBUS DP master			
● Transmission rate, max.		12 Mbit/s	
● max. number of DP devices		125; depending on the CPU used	
Services			
— PG/OP communication		Yes	
— Equidistance		Yes	
— SYNC/FREEZE		Yes	
— Direct data exchange (slave-to-slave communication)		Yes	
Address area			
— Inputs, max.		device-dependent	
— Outputs, max.		device-dependent	
User data per DP device			
— Inputs, max.		244 byte	
— Outputs, max.		244 byte	
Dimensions			
Width		26 mm	
Height		54 mm	
Depth		130 mm	
Weights			
Weight, approx.		65 g	
Classifications			
		eClass	Version 14
			Classification 27-24-22-08

eClass	12	27-24-22-08
eClass	9.1	27-24-22-08
eClass	9	27-24-22-08
eClass	8	27-24-22-08
eClass	7.1	27-24-22-08
eClass	6	27-24-22-08
ETIM	10	EC001423
ETIM	9	EC001423
ETIM	8	EC001423
ETIM	7	EC001423
IDEA	4	3564
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval



[Miscellaneous](#)



[China RoHS](#)



[KC](#)

General Product Approval

EMV

For use in hazardous locations



[FM](#)

For use in hazardous locations

Maritime application



[Type Examination Certificate](#)



Maritime application



[NK / Nippon Kaiji Kyokai](#)



Maritime application

[CCS \(China Classification Society\)](#)

last modified:

6/7/2025