



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			
		<b>Version</b>	<b>Classification</b>
	eClass	14	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 \(China Classification Society\)](#)

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