

SIPLUS S7-400 IF964-DP -25 ... +70 DEGREES C WITH
CONFORMAL COATING BASED ON 6ES7964-2AA04-0AB0 .
INTERFACE MODULE DP MASTER



Figure similar

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 loss	
Power loss, typ.	1 W
Interfaces	
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
1. Interface	
Physics	RS 485
Isolated	Yes
Functionality	

• PROFIBUS DP master	Yes; Default setting
• PROFIBUS 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	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 slave	
— Inputs, max.	244 byte
— Outputs, max.	244 byte
Communication functions	
Number of connections	
• overall	device-dependent
Ambient conditions	
Ambient temperature during operation	
• min.	-25 °C; = Tmin
• max.	70 °C; = Tmax; @ 60°C for UL/ATEX/FM use
Extended ambient conditions	
• relative to ambient temperature-atmospheric pressure-installation altitude	Tmin ... Tmax at 1080 hPa ... 795 hPa (-1000 m ... +2000 m) // Tmin ... (Tmax - 10K) at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // Tmin ... (Tmax - 20K) at 658 hPa ... 540 hPa (+3500 m ... +5000 m)
Relative humidity	
— With condensation, tested in accordance with IEC 60068-2-38, max.	100 %; Relative humidity, incl. condensation / frost permitted (no commissioning under condensation conditions)
Resistance	
— against biologically active substances / conformity with EN 60721-3-3	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna). The supplied connector covers must remain on the unused interfaces during operation!
— against chemically active substances / conformity with EN 60721-3-3	Yes; Class 3C4 incl. salt spray according to EN 60068-2-52 (degree of severity 3). The supplied connector covers must remain on the unused interfaces during operation!
— against mechanically active substances / conformity with EN 60721-3-3	Yes; Class 3S4 incl. sand, dust. The supplied connector covers must remain on the unused interfaces during operation!

Dimensions	
Width	26 mm
Height	54 mm
Depth	130 mm

Weights	
Weight, approx.	65 g

last modified: 10/14/2016