



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   |   |
| <ul style="list-style-type: none"> <li>Cable length, max.</li> </ul>  | 1 200 m; At 9.6 kbit/s: max. 1 200 m; at 12 Mbit/s: max. 100 m  |
| 1. Interface  |   |
| Isolated  | Yes   |
| Protocols   |   |
| <ul style="list-style-type: none"> <li>PROFIBUS DP master</li> <li>PROFIBUS DP device</li> </ul>  | Yes; Default setting<br>Yes   |
| PROFIBUS DP master  |   |
| <ul style="list-style-type: none"> <li>Transmission rate, max.</li> <li>max. number of DP devices</li> </ul>  | 12 Mbit/s<br>125; depending on the CPU used   |
| Services  |   |
| <ul style="list-style-type: none"> <li>PG/OP communication</li> <li>Equidistance</li> <li>SYNC/FREEZE</li> <li>Direct data exchange (slave-to-slave communication)</li> </ul> | Yes<br>Yes<br>Yes<br>Yes  |
| Address area  |   |
| <ul style="list-style-type: none"> <li>Inputs, max.</li> <li>Outputs, max.</li> </ul>   | device-dependent<br>device-dependent  |
| User data per DP slave  |   |
| <ul style="list-style-type: none"> <li>Inputs, max.</li> <li>Outputs, max.</li> </ul>   | 244 byte<br>244 byte  |
| communication functions / header  |   |
| Number of connections   |   |
| <ul style="list-style-type: none"> <li>overall</li> </ul>   | device-dependent  |
| Dimensions  |   |
| Width   | 26 mm   |
| Height  | 54 mm   |
| Depth   | 130 mm  |
| Weights   |   |
| Weight, approx.   | 65 g  |
| last modified:  | 3/12/2024   |

