

SIMATIC DP Y COUPLER

Product Data Sheet

6ES7197-1LB00-0XA0

PROFIBUS Bus Coupling Module

DC SUPPLY RANGE THROUGH BUS MODULE 20.4 to 28.8 V	MAXIMUM INPUT CURRENT 300 mA	MAXIMUM POWER LOSS 1 W	LOWER PROFIBUS DATA RATE 45.45 kbit/s to 12 Mbit/s
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Siemens 6ES7197-1LB00-0XA0 is the Y coupler used in compatible SIMATIC DP Y-link arrangements. It connects the documented lower PROFIBUS segment to the engineered redundant control-station arrangement.

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VERIFIED TECHNICAL DATA

DC supply range through bus module	20.4 to 28.8 V
Maximum input current	300 mA
Maximum power loss	1 W
Lower PROFIBUS data rate	45.45 kbit/s to 12 Mbit/s
Repeater cascade limit	9 RS-485 repeaters
Lower bus station capacity	31 slaves; 64 with repeaters or OLM
Parameter telegram capacity	244 bytes
Enclosure protection	IP20

ADDITIONAL PRODUCT DATA

Naked product size	4 x 12.5 x 13cm
Naked product weight	0.20kg

DOCUMENTED USE SETTINGS

Chemical Manufacturing and Continuous Process Control: Chemical Production Process Automation.

Power Generation and Industrial Energy Processing: Electric Power Generation Control.

Pulp Processing and Paper Processing: Pulp Preparation and Processing.

SYSTEM COMPATIBILITY

Integrate 6ES7197-1LB00-0XA0 only in the documented SIMATIC DP Y Coupler configuration. Match the installed interfaces and the engineered application before selecting this profibus bus coupling module.

PRODUCT EVIDENCE

Siemens DP/PA coupler and Y-link, A5E37478314-AT, 12/2021