

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ES7197-1LB00-0XA0

PROFIBUS BUS COUPLING MODULE

Used with the applicable SIMATIC DP Y Coupler configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

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

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Security information

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12.5 Technical specifications Y coupler (6ES7197-1LB00-0XA0)

Technical specifications of the Y-coupler

Article number	6ES7197-1LB00-0XA0
Supply voltage	
Design of the power supply	via bus module
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Input current	
Current consumption, max.	300 mA
Power loss	
Power loss, typ.	1 W
Interfaces	
PROFIBUS DP	
Properties of the lower-level DP master system	
– Transmission rate, max.	12 Mbit/s; 45.45 kbit/s to 12 Mbit/s
– Termination of lower-level DP master system	active terminating resistor (Bus Terminator)
– Use of OLM/OBT	Yes
– Use of RS 485 repeaters, max.	9
– Number of DP slaves, max.	31; 64 when using RS 485 repeaters or OLM/OBT
Requirements for DP master system	
– Length of parameter assignment telegram	244 byte
Protocols	
PROFIBUS DP	Yes
AS-Interface	No
Interrupts/diagnostics/status information	
Status indicator	No
Alarms	No
Diagnostics function	Yes
Potential separation	
to lower-level DP master system	Yes
Degree and class of protection	
IP degree of protection	IP20
Dimensions	
Width	40 mm
Height	125 mm
Depth	130 mm
Weights	
Weight, approx.	200 g