

SIMATIC DP, interface IM157 for extended temperature range IM157 interface DP/PA link The IM157 and one/several DP/PA coupler(s) form DP/PA Link DPV1.Slave

General information

Requirements for DP master system

- Length of parameter assignment telegram 244 byte

Supply voltage

Design of the power supply via bus module

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. 8
- Number of DP slaves, max. 31; 64 when using RS 485 repeaters or OLM/OBT

Protocols

PROFIBUS DP Yes

Interrupts/diagnostics/status information

Status indicator No

Alarms No

Diagnostics function Yes

Potential separation

to lower-level DP master system Yes

Dimensions

Width 40 mm

Height 125 mm

Depth 130 mm

Weights

Weight, approx. 200 g

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