

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7157-1AB00-0AB0

ET 200AL PROFINET Interface

SUPPLY	NETWORK	PROTECTION	SHARING
24 V DC	2 M12 ports	IP65 / IP67	4 controllers

The Siemens 6ES7157-1AB00-0AB0 is the IM 157-1 PN interface for SIMATIC ET 200AL. It provides two D-coded M12 PROFINET ports with an integrated switch and a protected field-mounting form specified for IP65/IP67 operation.

01

VERIFIED TECHNICAL INFORMATION

Interface type	IM 157-1 PN
Rated load voltage 1L+	24 V DC; permissible 20.4-28.8 V DC
Rated current consumption	100 mA
Load-current limit 1L+	Maximum 4 A
Load-current limit 2L+	Maximum 4 A
Typical power loss	2.9 W
Station address space	Maximum 1430 bytes

Manufacturer evidence: Siemens 6ES7157-1AB00-0AB0 equipment/interface manual; exact-model manual section and manufacturer data sheet.

02 TECHNICAL INFORMATION CONTINUED

PROFINET physical interface	2 D-coded M12 ports with integrated switch
PROFINET data rate	100 Mbit/s full duplex, 100BASE-TX
Shared device	Maximum 4 IO controllers
Media redundancy	MRP and MRPD supported
Protection rating	IP65/IP67
Operating temperature	-25 to +55 degrees Celsius
Supply connection	M8, 4-pole
ET-Connection	M8, 4-pin, shielded

03 SOURCE AND CONFIGURATION CHECKS

The interface connects ET 200AL communication with station diagnostics, shared-device functions and media redundancy. Its supply and ET-Connection use separate M8 connection arrangements, while electrical isolation separates the load voltages and the PROFINET network from the other circuits.

Packed dimensions and supplied-unit origin must be checked against the actual delivery. No verified gross shipping weight is inferred from module net mass.

Siemens original documentation and product reference

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