Technical data

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A.1 Technical data for PN/PN coupler (6ES7158-3AD00-0XA0)

Overview

Dimensions and weight	
Dimensions W x H x D (mm)	120 × 132 × 75
Weight	282 g

Module-specific data	
Transfer rate	• 10 Mbit/s for Ethernet services • 100 Mbit/s full duplex for PROFINET IO
Transmission method	100BASE-TX
Auto negotiation	Yes
Auto crossing	Yes
Internal switch function	Yes
Bus protocol	PROFINET IO TCP/IP
Supported Ethernet services	• ping • arp • Net diagnostics (SNMP) / MIB-2
PROFINET interface	4x RJ45
Manufacturer ID (vendor ID)	$002A_H$
Device ID (DeviceID)	0604_H

Voltages, currents, potentials	
Rated supply voltage	DC 24 V (20.4 V ... 28.8 V)
• Reverse polarity protection	Yes
• Power failure bypass	Min. 5 ms
Electrical isolation of 24 V power supplies	
• Between backplane bus and electronics	
• Between Ethernet and electronics	Yes
• Between power supply and electronics	Incoming supply 1: No Incoming supply 2: Yes
Ungrounded operation possible	Yes
Insulation tested at	DC 500 V
Current consumption from power supply (1L+)	Approx. 400 mA
Power loss	Approx. 6 W