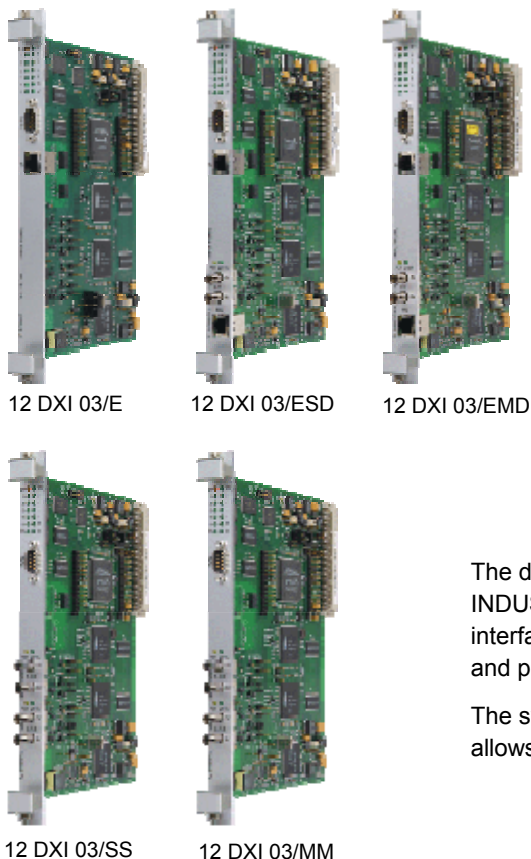


12 DXI 03

Digital Exchange Unit Interface



Main features

- Management of up to 12 digital PCM channels with transmission rates of 64 kBit/s per channel
- IP-based connection management
- Permanent monitoring of the line interface between two DXI
- Green LED to indicate operation, red LED to indicate failures
- Signaling of occupied AF channels by green LEDs

The digital exchange unit interface 12 DXI 03 is a part of the INDUSTRONIC communication and public address system with digital interfaces. A pair of 12 DXI 03 serves to connect two communication and public address systems.

The systems can be coupled via an electrical or optical interface. This allows flexible expandability of system interconnections.

Additional features

- HDLC interface for the communication with the exchange control board
- Watchdog monitoring
- Transmission of PCM signals to / from the exchange control board at a rate of 2 MBit/s

Mechanical data

- | | |
|---------------------------------|-----------------------------------|
| • Height x depth | 233 mm x 160 mm (9 1/4" x 6 1/4") |
| • Dimensions of the front plate | 6 RU, 4 HP |
| • Weight | ca. 0.8 kg (approx. 2 lb) |

Electrical data

- | | |
|-----------------------|-------------------|
| • Operating voltage | 5 V |
| • Current consumption | 1 A |
| • Program memory | Flash-EPROM, 8 MB |
| • Main memory | 1 MB RAM |

Standards and environmental requirements

• Ambient temperature during operation	0 °C to +50 °C (32 °F to 122 °F)
• Relative humidity (non-condensing)	max. 95 %
• EMC	IEC / EN 61000-6-2 IEC / EN 61000-6-4

Type	Article no.	Interface	Standard	Connector
12 DXI 03/E	341-749-100	E1 2048 kBit/s	ITU-T G.703 Transmission range up to 1 km (1/2 mi)*	RJ45 4-wire
12 DXI 03/EMD	341-749-500	E1 2048 kBit/s	ITU-T G.703 Transmission range up to 1 km (1/2 mi)*	RJ45 4-wire
		Multimode Fiber Optic 850 nm 50/62,5 µm	ISO / IEC 11801-3 Class OF-2000 EN 50173-3 Class OF-2000 Transmission range up to 4 km (2 1/2 mi)* (max. 6 dB absorption)	ST-Connector
		G.SHDSL	ITU-T G.991.2 G.SHDSL Transmission range up to 5 km (3 mi)*	RJ45 2-wire
12 DXI 03/ESD	341-749-600	E1 2048 kBit/s	ITU-T G.703 Transmission range up to 1 km (1/2 mi)*	RJ45 4-wire
		Single Mode Fiber Optic 1310 nm 9/125 µm	ISO / IEC 11801-3 Class OF-5000 EN 50173-3 Class OF-5000 Transmission range up to 20 km (12 1/2 mi)* (max 15 dB absorption)	ST-Connector
		G.SHDSL	ITU-T G.991.2 G.SHDSL Transmission range up to 5 km (3 mi)*	RJ45 2-wire
12 DXI 03/SS	341-749-700	Single Mode Fiber Optic 1310 nm 9/125 µm	ISO / IEC 11801-3 Class OF-5000 EN 50173-3 Class OF-5000 Transmission range up to 20 km (12 1/2 mi)* (max. 15 dB absorption)	ST-Connector
		Single Mode Fiber Optic 1310 nm 9/125 µm	ISO / IEC 11801-3 Class OF-5000 EN 50173-3 Class OF-5000 Transmission range up to 20 km (12 1/2 mi)* (max. 15 dB absorption)	ST-Connector

Type	Article no.	Interface	Standard	Connector
12 DXI 03/MM	341-749-800	Multimode Fiber Optic 850 nm 50/62,5 µm	ISO / IEC 11801-3 Class OF-2000 EN 50173-3 Class OF-2000 Transmission range up to 4 km (2 ½ mi)* (max. 6 dB absorption)	ST-Connector
		Multimode Fiber Optic 850 nm 50/62,5 µm	ISO / IEC 11801-3 Class OF-2000 EN 50173-3 Class OF-2000 Transmission range up to 4 km (2 ½ mi)* (max. 6 dB absorption)	ST-Connector

* Depending on settings, cabling and environment

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