ETL600

Product Data Sheet

1KHL015545R0002 O4LE

Audio-frequency interface module

AUDIO-FREQUENCY PORTS	AF-PORT IMPEDANCE	TELEPHONY CAPACITY	TELEOPERATION CHANNEL ALLOCATION
4 four-wire ports, AF1 to AF4	**600 ohm**	**1 AF channel per board**	**Up to 2 AF channels**

ABB 1KHL015545R0002 O4LE is an audio-frequency interface module associated with the ETL600 power-line-carrier platform. The O4LE interface supports analog telephony, teleoperation and external teleprotection services through programmable signal paths.

01 VERIFIED TECHNICAL DATA

Audio-frequency ports	4 four-wire ports, AF1 to AF4
AF-port impedance	600 ohm
Telephony capacity	1 AF channel per board
Teleoperation channel allocation	Up to 2 AF channels
Programmable digital filters	Up to 4; 2 transit filters available with telephony
Subscriber telephone interface	1 two-wire FXS port shared with service-phone socket
Office telephone interface	1 two-wire FXO port
Telephone signaling	E&M signaling ports and local/transit hybrid input
External teleprotection control	Boost input port
Channel-availability output	Relay with changeover contact

Values follow the applicable manufacturer documents identified on page 2.

02 ADDITIONAL PRODUCT DATA

Internal digital connection	TDM bus to P4LT
Configuration tool	HMI600
Signal-processing hardware	DSP with associated peripheral circuits
Service-phone alert	Onboard incoming-call buzzer
Service-phone port selection	Switchover relay; only one subscriber/service port active

03 DOCUMENTED USE SETTINGS

Regional Electricity Networks and Interconnected Power Systems: Interregional Power Transmission.

Public Electricity Supply and Industrial Power Distribution: Urban Electricity Distribution.

Thermal Electricity and Hydroelectric Power Generation: Combined-Cycle Power Generation.

04 SYSTEM COMPATIBILITY

Map AF1 to AF4 and the telephone interfaces to the intended ETL600 service plan. AF1 can carry four-wire telephony, while the subscriber-side two-wire port is shared with the front service-phone socket. A relay selects the active subscriber/service connection.

05 PRODUCT EVIDENCE

ABB ETL600 Instruction Manual 1KHW001489-EN, section 3.3.1 and O4LE service descriptions

AMIKON PRODUCT SUPPORT

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