

Frequency inverter

8200 vector

0.25 ... 90.0 kW

Created as a system

Global Drive



Lenze



LECOM-AB (RS232/485)

LECOM-AB (RS232/485)	Order ref.	EMF2102IB-V001 ¹⁾
LECOM-B (RS485)	Order ref.	EMF2102IB-V002 ¹⁾

The communication modules enable the inverter to support the LECOM-AB V2.0 communication profile. The Lenze LECOM profile is completely open. Components which support this protocol are available for various systems (e.g. Simatic S5) in order to facilitate integration into a control system.

The LECOM-B communication module has an RS485 interface. In addition to the RS485 interface (see LECOM-B for data and operating conditions), the LECOM-AB communication module has an RS232 interface with a 9-pin SUB-D socket. Three LEDs are located on the communication modules to indicate the communication status.

General data and application conditions

Communication medium	RS485 (LECOM-B)	RS232 (LECOM-A)
Communication protocol	LECOM A/B V2.0	
Transfer character format	7E1: 7-bit ASCII, 1 stop bit, 1 start bit, 1 parity bit (even)	
Baud rate [Bit/s]	1200, 2400, 4800, 9600, 19200	
LECOM-B device	Slave	-
Network topology	Without repeater: line With repeaters: line or tree	Point-topoint
Max. number of devices	32 (= 1 bus segment) including host system With repeaters: 90 slaves	1
Max. cable length	1000 m per bus segment (depending on baud rate and cable type used)	15 m
Electrical connection	Screw-type terminals	SUB-D socket (9-pin)
DC supply	<ul style="list-style-type: none"> • Internal • External - required if bus devices are to be disconnected from the mains but communication with the master must be maintained - supply via separate mains supply - +24 V DC ± 10%, max. 60 mA per module (LECOM-AB: max. 80 mA) 	
Insulation voltage to reference earth/PE	50 V AC	
Ambient temperature	Operation: 0 ... +55°C Transport: -25 ... +70°C Storage: -25 ... +60°C	
Climatic conditions	Class 3K3 to EN 50178 (without condensation, average relative humidity 85%)	

¹⁾ Descendant product EMF2102IBC001, EMF2102IBC002 currently being developed

