

LIN719

General

The LIN719/SICO(LOG) adapter connects a device (which is either a SICOLOG, SICO3, SICO2, SICO2B, SICO2M or DL16CAN) to a LIN. Note, that this adapter presumes that the device (except for a SICO3) is configured with option *RS232* instead of option *GPS*, otherwise it can only work as a listening LIN slave. Depending on its label, the hardware layer is compatible to:

Label	LIN Version
LIN719 2.0 for SICO(LOG)	LIN 2.0

The LIN719 adapter connects a DL16CAN to a LIN. Depending on its label, the hardware layer is compatible to:

Label	LIN Version
LIN ADAPTER	LIN 1.3
LIN 2.0 ADAPTER	LIN 2.0
LIN719 for LIN 2.0	LIN 2.0

Connectors: LIN719/SICO(LOG)

RS232: This 5-pin socket (Binder Series 719) provides a connector for the device's connector *RS232*.

Pin	Assignment
1	(not connected)
2	Ground
3	(not connected)
4	Device's TX
5	Device's RX

AIN: This 5-pin plug (Binder Series 719) provides a connector for one of the connectors *AIN1+2*, ..., *AIN15+16*, *ED1* of the SICOLOG/SICO3, or for one of the connectors *AN1/2*, ..., *AN7/8* of the SICO2/DL16CAN.

Pin	Assignment
1	U_B (8...16 V DC)
2	(not connected)
3	(not connected)
4	(not connected)
5	(not connected)

Banana Jack (red or yellow): This jack has to be connected with the LIN bus line.

Banana Jack (black): This jack has to be connected with LIN ground.

Connectors: LIN719

RS232 RX: This 5-pin socket (Binder Series 719)

provides a connector for the connector *RS232* of the data logger DL16CAN.

Pin	Assignment
1	(not connected)
2	Ground
3	(not connected)
4	U_B (8...16 V DC)
5	Data logger RX

RS232 TX: This 5-pin plug (Binder Series 719) provides a connector for the connector *AOUT1/2 LIN TX* of the data logger DL16CAN.

Pin	Assignment
1	(not connected)
2	(not connected)
3	Data logger TX
4	U_B (8...16 V DC)
5	(not connected)

Banana Jack (red or yellow): This jack has to be connected with the LIN bus line.

Banana Jack (black): This jack has to be connected with LIN ground.

TEMES

The TEMES CAN editor can be used to define a LIN description.

CAN editor	LIN equivalent
CAN baud rate	LIN baud rate
Message identifier	LIN frame identifier

Note: The CAN message identifier is entered as a hexadecimal value. It can be either a 6-bit frame identifier or an 8-bit protected identifier.

LIN 2.0 Enhanced Checksum

TEMES starts supporting enhanced checksums with TEMES version 1.0.32.3d. The DL16CAN firmware (and also the SICO2 firmware) starts supporting enhanced checksums with firmware version 3.09.

The 9th bit of the CAN message identifier has to be set if the LIN message is transmitted with a LIN 2.0 enhanced checksum, e. g. the CAN message identifier 120₁₆ must be used for LIN frame identifier 20₁₆ when the corresponding LIN frame has to be used with the enhanced checksum.

Internet

The homepage of the LIN719 is available at:

<http://tellert.de/?product=lin>