ETAS

DRIVING EMBEDDED EXCELLENCE

CBAM281.1

ETK ECU Adapter Cable, pre-assembled into GSC.1S screwing (M9x0,6), shield on ECU-Housing, Lemo 1B PHG - JST PHR (4fc-5fc), 0m60

Data Sheet

Copyright

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Contents

1 Introduction

CBAM281.1-0m60 is a serial 100 MBit/s cable adapter for ETKs. Preassembled into M9 screwing, shield connected to the screwing.

The individual contacts of the connector are already crimped to the conductors of the cable. However, they are not inserted into the plastic shell of the plug to facilitate threading the wires through the mounting hole.

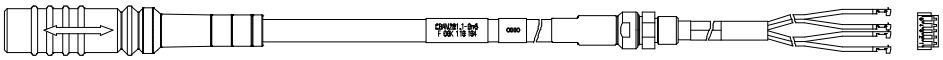


Figure 1 View

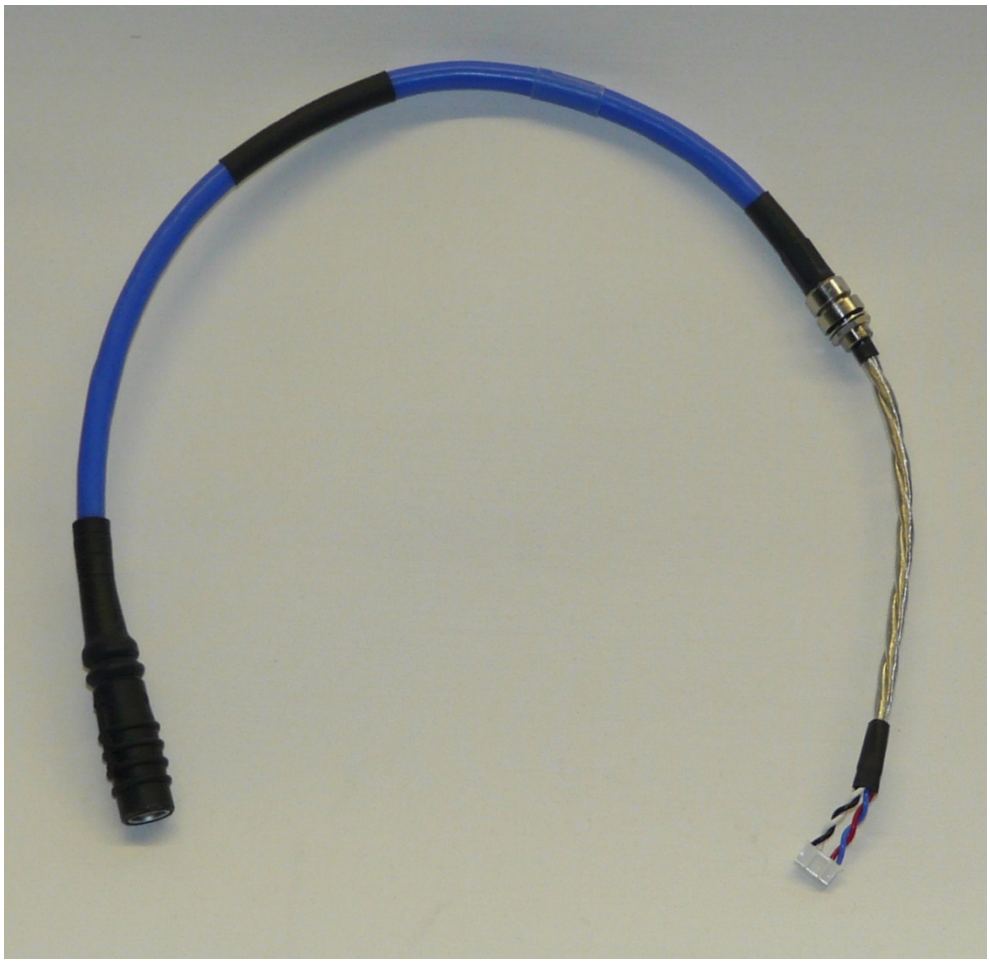


Figure 2 Picture (CON2 mounted)

2 Installation

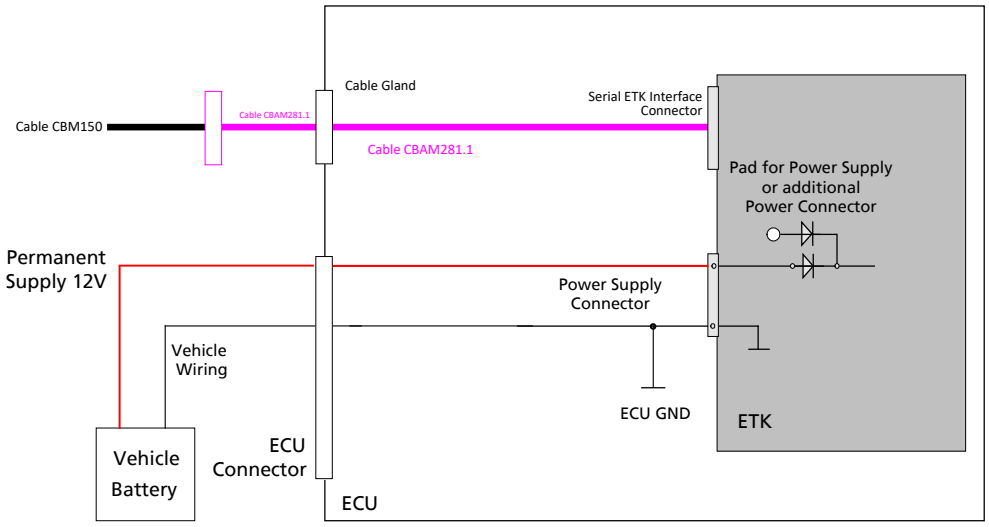


Figure 3 Installation, permanent power supply in ECU available

3 Technical Data

3.1 Mechanical Dimensions

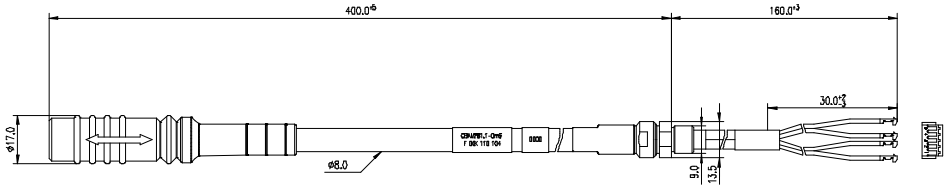


Figure 4 Mechanical Dimensions

For wall thickness less than 4mm, it is possible to use a through boring with 9.2 mm in the housing and mount the cable with a nut (included).

For wall thickness more than 4mm cut a thread into the housing. A special Lemo thread cutter is necessary.

NOTE

Mount the cable into the ECU Housing before mounting the connector housing CON2.

3.1.1 Lemo Thread Cutter

Picture	Thread	Lemo Order Number
	M9 x 0.6	DTA.99.900.6Z

3.2 Connectors

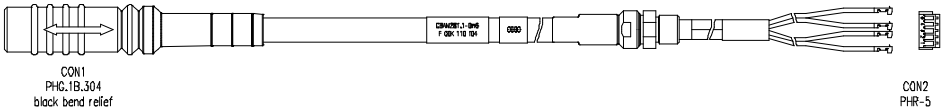
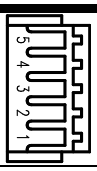


Figure 5 Connector Description

Connector	Color	Target
CON1	black	ETK Interface Cable CBM150
CON2	white	ETK e.g. ETK-S20.1

3.2.1 Installation JST Housing CON2

The individual contacts of the connector are already crimped to the conductors of the cable. However, they are not inserted into the plastic shell of the plug to facilitate threading the wires through the mounting hole. To complete the installation the connectors are inserted into the shell, observing the correct orientation and assuring proper latching. For proper operation the RX and TX pairs have to be twisted 1 - 2 times.

Pair	Color	
RX+	black	5
RX-	white	4
TX+	red	2
TX-	blue	1
-	-	3

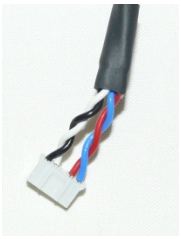


Figure 6 CON2 Detail View

3.3 Temperature Range

Condition	Temperature
Operating Temperature	-40°C - +125°C

3.4 Tightness

Condition	IP Code
M9 screwing	IP67

4 Ordering Information

Short Name	Order - Number
CBAM281.1-0m6	F 00K 110 104

5 ETAS Contact Addresses

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