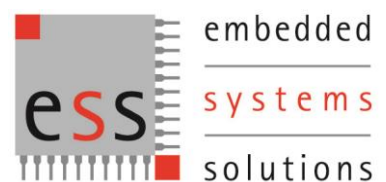


Datasheet

CANginell Cable

Edition 2
Dec 2015



Version History

Edition	Date	State
2	Dec 2015	D8 and RDL cable branch lengths changed to 4 m D8 is connected to digital tachograph D connector
1	Aug 2014	first release

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Related Documents

- [1] FMS-Standard / Tachograph Remote Download Connector description, Vers. 02.00, 14.09.2012, © Working Group HDEI
- [2] CANginell User Manual

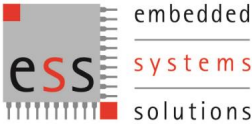
Abbreviations

CAN_GND	CAN ground
CAN_H	CAN high signal
CAN_L	CAN low signal
FMS	Fleet Management Standard

Glossary

Remote Download

Remote Download is the process of transmitting memory contents and / or card data from the digital tachograph according to Council Regulation 3821/85 to a host controller.



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1. Introduction

CANginell cable is designed to simplify installation of CANginell or CANginell_BT into vehicle using standardized connectors. This cable can be used in vehicles with 24V on-board voltage with standard FMS connector [1]. Additional connection to digital tachograph C-connector ensures tachograph remote download possibility.

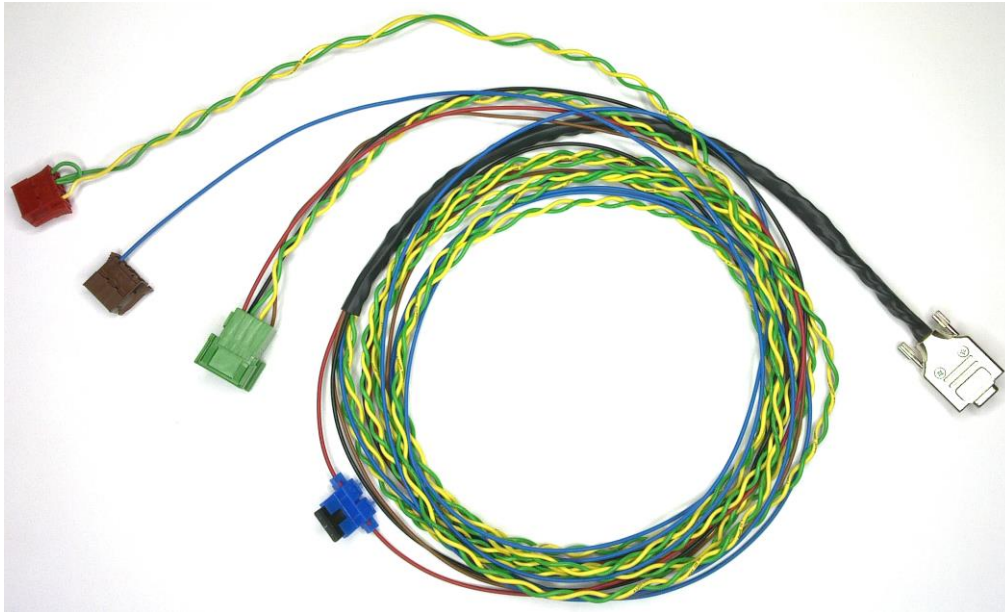


Image 1 - CANginell cable

2. Wiring

CANginell cable is equipped with four connectors and one fuse holder with installed fuse. D-Sub-9 receptacle connector should be connected into CANginell(_BT) vehicle connector.

FMS Connector (green) should be connected into vehicle-side FMS connector. Due to different pinning of FMS connector between vehicles with 12V and 24V on-board voltage, **this cable does not work on vehicles with 12V on-board voltage.**

Tachograph C-connector (red) should be connected into digital tachograph C-socket. This connector can be left unconnected if no remote download is required. D8 info interface is connected to digital tachograph D-connector (brown) and can also be unconnected if not needed.

Fuse holder with installed fuse is used to protect vehicle power supply (Clamp 30) against overcurrent in the case of failure. **Replace only with same size and type of automotive blade fuse.**

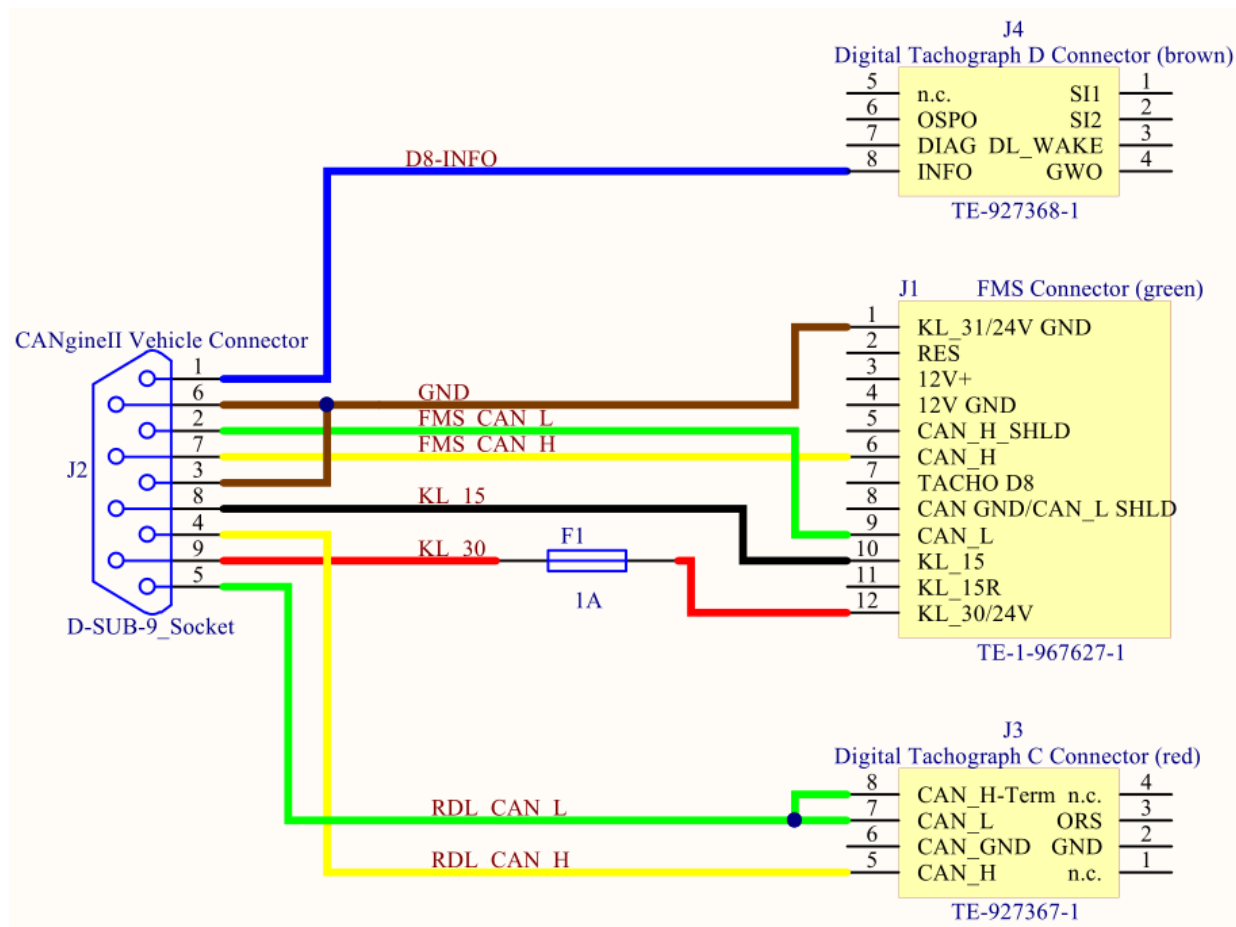


Image 2 - CANginell cable schematics

3. Technical Data

Parameter	Value	Unit
Length of FMS branch (between J2 and J1)	2	m
Length of D8 branch (between J2 and J4)	4	m
Length of RDL branch (between J2 and J3)	4	m
Operating temperature	-40 .. +85	°C
Fuse Current Rating	1	A

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