

Deutsch connectors are ideal where dust, dirt, moisture, salt spray, and vibration can contaminate or damage electrical connections. Imcon is already 20 years design-in partner and value added distributor for Deutsch Industrial Connectors.

## Signal Splitters

Effective Signal Connection System  
Cost and space reduction  
CAN Terminators as an option



Deutsch Connectors  
Custom modifications  
Connector modules



Customised Harnesses



IBS CAN Bus System  
Electronic Units



Switches and keyboards

## Features

- Effective way of connecting multiple devices to the SAE J1939 CAN Bus
- All versions available with or without Integrated 120Ω resistor (CAN terminator)
- Splitters with 2, 3 and 4-way connectors available
- Can be used in harsh environment, sealed up to IP67
- Other versions available on request

## Description

Wherever it is necessary to split a signal our modules can be used. They reduce cost and space eliminating extra harness. Deutsch J1939 CAN connectors are rugged field proven DT and DTM connectors designed to meet the SAE requirements for CAN applications linking ECUs for serial data communications.

The main backbone of the CAN bus must be terminated at both ends by a 120Ω resistor placed across CAN\_H and CAN\_L so that cable reflections of signals are suppressed. Therefore all the splitter modules can be ordered with the integrated CAN Bus terminator (order number ends with the \*-R symbol).

Detail description how to connect each connector is available in the drawing **IBS CAN Connectors Wiring**.

## Splitters for 2 wire CAN Bus according to SAE J1939-15

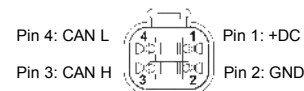
J1939/15 is a 2-wire system that uses the Deutsch DTM Series connectors. The DTM Series accepts size 20 contacts and 16-22 AWG (from 0,4 to 1,5mm<sup>2</sup>).

	<b>EM-8MA</b> <b>EM-8MA-R</b>	8x DTM 04-2P connector		<b>EM-2C5M</b> <b>EM-2C5M-R</b>	5x DTM 04-2P connector 2x DT 04-3P connector
	<b>EM-7MA</b> <b>EM-7MA-R</b>	7x DTM 04-2P connector		<b>EM-2I5M</b> <b>EM-2I5M-R</b>	5x DTM 04-2P connector 2x DT 04-4P IBS connector
	<b>EM-5MA</b> <b>EM-5MA-R</b>	5x DTM 04-2P connector		<b>EM-11C5M</b> <b>EM-11C5M-R</b>	5x DTM 04-2P connector 1x DT 04-3P connector 1x DT 04-4P IBS connector
	<b>EM-1C6M</b> <b>EM-1C6M-R</b>	6x DTM 04-2P connector 1x DT 04-3P connector			

## Splitters for 4 wire IBS CAN Bus system




CAN Bus two wire twisted pair together with the DC power result in 4 wire CAN Bus wiring. It is easy to install and implement because it is not necessary to have separate harness and connectors for CAN and Power. All is included in one connector. Many companies and Imcon IBS CAN Bus system use this system of wiring.

	<b>EM-6IBS</b> <b>EM-6IBS-R</b>	6x DT 04-4P IBS connector		<b>EM-4I1SP</b> <b>EM-4I1SP-R</b>	4x DT 04-4P IBS connector 1x DT 04-3P connector 1x DT 04-2P connector
	<b>EM-5IBS</b> <b>EM-5IBS-R</b>	5x DT 04-4P IBS connector			



## Splitters for 3 wire CAN Bus according to SAE J1939-11

J1939/11 is a 3-wire system that uses the Deutsch DT Series connectors primarily for truck and bus. The DT Series accepts size #16 contacts for 14-20 AWG (from 0,5 to 2mm<sup>2</sup>) wires.

	<b>EM-6C2</b> <b>EM-6C2-R</b>	2x DT04-3P-J1939 4x DT04-3P connector
	<b>EM-5C2</b> <b>EM-5C2-R</b>	2x DT04-3P-J1939 3x DT04-3P connector
	<b>EM-7</b> <b>EM-7-R</b>	7x DT04-3P connector Without keying



Electronic Components

Transfer Multisort Elektronik Sp. z o.o.  
ul. Ustronna 41  
93-350 Łódź, POLSKA  
<http://www.tme.eu>