

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.

CAN Terminators

CAN connectors with integrated resistors
 Terminators in 2, 3 and 4 way connector

2 wire CAN



3 wire CAN



4 wire CAN



Deutsch Connectors
 Custom modifications
 Connector modules



Customised Harnesses



IBS CAN Bus System
 Electronic Units



Switches and keyboards

Features

- Integrated 120Ω resistors
- More versions available than in the standard Deutsch product range
- Terminator in 2-way DTM according to the SAE J1939-15
- Terminator in 3-way DT according to the SAE J1939-11
- Terminator in 4-way DT for IBS CAN Bus
- Terminators for Trimble CAN Bus networks
- All versions are sealed up to IP68
- Consult us for additional versions

Description

Deutsch J1939 CAN connectors and their modifications 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.

To implement the CAN Bus terminators we supply connectors with molded-in 120Ω resistors. These CAN Bus terminators are available for three basic CAN network versions. Two wire CAN network according to the SAE J1939-15, three wire CAN based on SAE J1939-11 and commonly used four wire CAN network (CAN Bus plus power). Special versions Deutsch do not provide as standard are available.

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. Connector options include in-line, "Y" splitter, and terminating resistors.

	DTM 04-2 P-P006	Receptacle, Gray, 120 Ohm Resistor, Orange wedge		DTM 04-2 P-EP10	Receptacle, Black, 120 Ohm Resistor, Black wedge B Key
	DTM 06-2 S-P006	Plug, Gray, 120 Ohm Resistor, Orange wedge		DTM 06-2 S-EP10	Plug, Black, 120 Ohm Resistor, Black wedge B Key



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 and 14-20 AWG. Connector options include in-line, bulkhead, "Y" splitter, and terminating resistors.

	DT 04-3 P-P006	Receptacle, Gray, 120 Ohm Resistor, Blue wedge J1939		DT 04-3 P-EP10	Receptacle, Black, 120 Ohm Resistor, Blue wedge J1939
	DT 06-3 S-P006	Plug, Gray, 120 Ohm Resistor, Blue wedge J1939		DT 06-3 S-EP10	Plug, Black, 120 Ohm Resistor, Blue wedge J1939
	DT 06-3 S-P506	Plug, Gray, equal to -P006 120 Ohm Resistor, Blue wedge J1939		DT 06-3 S-P226	Plug, Gray, equal to -P206 120 Ohm Resistor, Orange wedge
	DT 06-3 S-P206	Plug, Gray, 120 Ohm Resistor, Orange wedge			

4 wire CAN Bus

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.

	DT 04-4 P-EP10	Receptacle, Gray, 120 Ohm Resistor - pins 3+4, Green wedge
	DT 06-4 S-EP10	Plug, Black, 120 Ohm Resistor - pins 3+4, Green wedge



Boženy Němcové 1
664 51 Šlapanice, Czech Republic
Tel.+420 545234440 Fax.+420 123456789
E-mail: info@deutsch.cz
www.deutsch.cz