

New

J1939 CAN INTERFACE MODULE 981 000 Series



Interface Description:

- The J1939 CAN Interface Module #981000 series has been developed to connect the MCS Electronic Throttle Controls to the J1939 CAN bus network of heavy duty vehicles.
- Available for Main or Remote Throttle Controls.
- Messages and parameters can be added and/or adapted according to customer specifications.
- Diagnostic Trouble Codes activated according to customer requirements.
- Failure Mode Identification codes adapted to customer specifications.
- Malfunction Indicator Lamp status activated according to customer requirements.
- Harness length can be adapted upon customer requirements.

Electronic Controls Description:

All MCS Electronic Throttle Controls connected to the J1939 CAN Interface Module are fitted with programmable Analogue and IVS Hall Effect Sensor. The Analogue and IVS outputs are programmed to comply with the SAE J1843 standard.

Throttle Control specifications	
Sensor type	Analog + IVS
Analog Output	According to J1843
IVS Output	According to J1843

Interface mechanical specifications	
MCS reference	#981 xx yy
Interface box	90 x 35 x 30
Throttle pedal connector	TYCO #19676161
Throttle pedal wire length	30 cm
Power Supply connector	DEUTCH #DT042SC015
Power Supply wire length	100 cm
CAN Bus connector	According to J1939/11 - #DT043SC015

Interface J1939 messages specifications	
J1939/81 Network Management	<ul style="list-style-type: none"> - Default Address: 128* - Address Arbitration not activated - Commanded Address activated (from Address 0 to 127*)
J1939/71 Application: Throttle	<ul style="list-style-type: none"> - PGN 61443 (EEC#2) – cyclic 50mS -SPN 91 activated -SPN 558 activated*
J1939/21 Data Link Layer	<ul style="list-style-type: none"> - Request for Address Claim: activated - Request for PGN: PACK* - Requests to AS: NACK
1939/73 Diagnostic Trouble Code	<ul style="list-style-type: none"> -DM1 : activated – cyclic 1sec* -FMI0, 1, 3, 4, 9 & 19* -MIL: activated* -DM2: NACK* -DM3: NACK* -DM11: activated -DM22: not activated in this version*

*Activated, modified or deactivated according to customer specifications

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