

FMC640 Teltonika Data Sending Parameters ID

[Main Page](#) > [EOL Products](#) > [FMC640](#) > **FMC640 Teltonika Data Sending Parameters ID**



Contents

- [1 Permanent I/O elements](#)
- [2 FMS elements](#)
- [3 CAN adapters elements](#)
- [4 Eventual I/O elements](#)
- [5 Manual CAN elements](#)
- [6 Tachograph data elements](#)
- [7 Cameras/Video](#)
- [8 ContiPressureCheck TPMS](#)
- [9 Reefer IO](#)
- [10 TK Transcan IO](#)
- [11 TK Euroscan IO](#)
- [12 TK Touchprint IO](#)
- [13 BLE](#)
- [14 FMS Eco Driving](#)

Permanent I/O elements

| Property ID in AVL packet | Property Name | Bytes | Type | Value range | | Multiplier | Units | Description | HW Support | Parameter Group |
|---------------------------|---------------------|-------|----------|-------------|------------|------------|-------|--|--|------------------------|
| | | | | Min | Max | | | | | |
| 239 | Ignition | 1 | Unsigned | 0 | 1 | - | - | 0 - Ignition Off 1 - Ignition On | FMB640 FMC640 FMM640 | Permanent I/O elements |
| 240 | Movement | 1 | Unsigned | 0 | 1 | - | - | 0 - Movement Off 1 - Movement On | FMB640 FMC640 FMM640 | Permanent I/O elements |
| 22 | Data Mode | 1 | Unsigned | 0 | 5 | - | - | 0 - Home On Stop 1 - Home On Moving 2 - Roaming On Stop 3 - Roaming On Moving 4 - Unknown On Stop 5 - Unknown On Moving | FMB640 FMC640 FMM640 | Permanent I/O elements |
| 21 | GSM Signal | 1 | Unsigned | 0 | 5 | - | - | Value in range 1-5 | FMB640 FMC640 FMM640 | Permanent I/O elements |
| 200 | Sleep Mode | 1 | Unsigned | 0 | 3 | - | - | 0 - No Sleep 1 - GPS Sleep 2 - Deep Sleep 3 - Online Deep Sleep | FMB640 FMC640 FMM640 | Permanent I/O elements |
| 71 | GNSS Status | 1 | Unsigned | 0 | 5 | - | - | 0 - GNSS OFF 1 - GNSS ON, no GPS antenna 2 - GNSS ON, without fix 3 - GNSS ON, with fix 4 - GNSS SLEEP 5 - GNSS Overcurrent/protect state | FMB640 FMC640 FMM640 | Permanent I/O elements |
| 181 | GNSS PDOP | 2 | Unsigned | 0 | 500 | 0.1 | - | Probability | FMB640 FMC640 FMM640 | Permanent I/O elements |
| 182 | GNSS HDOP | 2 | Unsigned | 0 | 500 | 0.1 | - | Probability | FMB640 FMC640 FMM640 | Permanent I/O elements |
| 66 | External Voltage | 2 | Unsigned | 0 | 30000 | 0,001 | mV | Voltage, mV | FMB640 FMC640 FMM640 | Permanent I/O elements |
| 24 | Speed | 2 | Unsigned | 0 | 350 | - | km/h | Value, km/h | FMB640 FMC640 FMM640 | Permanent I/O elements |
| 205 | GSM Cell ID | 4 | Unsigned | 0 | 4294967295 | - | - | GSM base station ID | FMB640 FMC640 FMM640 | Permanent I/O elements |
| 206 | GSM Area Code | 2 | Unsigned | 0 | 65535 | - | - | Location Area code (LAC), it depends on GSM operator. It provides unique number which assigned to a set of base GSM stations. | FMB640 FMC640 FMM640 | Permanent I/O elements |
| 67 | Battery Voltage | 2 | Unsigned | 0 | 30000 | 0,001 | mV | Voltage, mV | FMB640 FMC640 FMM640 | Permanent I/O elements |
| 68 | Battery Current | 2 | Unsigned | 0 | 2400 | - | mA | Current, mA | FMB640 FMC640 FMM640 | Permanent I/O elements |
| 241 | Active GSM Operator | 4 | Unsigned | 0 | 4294967295 | - | - | Currently used GSM Operator code | FMB640 FMC640 FMM640 | Permanent I/O elements |
| 199 | Trip Odometer | 4 | Unsigned | 0 | 4294967295 | - | m | Trip Odometer value in meters | FMB640 FMC640 FMM640 | Permanent I/O elements |

| | | | | | | | | | | |
|-------|-----------------------------|---|----------|-------|------------|-------|--------------|--|----------------------------|------------------------|
| 216 | Total Odometer | 4 | Unsigned | 0 | 4294967295 | - | m | Total Odometer value in meters | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 1 | Digital Input 1 | 1 | Unsigned | 0 | 1 | - | - | Logic: 0/1 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 9 | Analog Input 1 | 2 | Unsigned | 0 | 30000 | 0,001 | V | Voltage, V | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 179 | Digital Output 1 | 1 | Unsigned | 0 | 1 | - | - | Logic: 0/1 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 236 | Axis X | 2 | Signed | -8000 | 8000 | - | mG | X axis value, mG | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 237 | Axis Y | 2 | Signed | -8000 | 8000 | - | mG | Y axis value, mG | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 238 | Axis Z | 2 | Signed | -8000 | 8000 | - | mG | Z axis value, mG | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 219 | CCID Part1 | 8 | Unsigned | 0 | 0xffffffff | - | - | Value of SIM ICCID | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 220 | CCID Part2 | 8 | Unsigned | 0 | 0xffffffff | - | - | Value of SIM ICCID | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 221 | CCID Part3 | 8 | Unsigned | 0 | 0xffffffff | - | - | Value of SIM ICCID | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 144 | SD Status | 1 | Unsigned | 0 | 1 | - | - | Logic: 0 - not present, 1 - present | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 2 | Digital Input 2 | 1 | Unsigned | 0 | 1 | - | - | Logic: 0/1 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 3 | Digital Input 3 | 1 | Unsigned | 0 | 1 | - | - | Logic: 0/1 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 10 | Analog Input 2 | 2 | Unsigned | 0 | 30000 | 0,001 | V | Voltage, V | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 180 | Digital Output 2 | 1 | Unsigned | 0 | 1 | - | - | Logic: 0/1 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 72 | Dallas Temperature 1 | 2 | Signed | -550 | 1150 | 0,1 | °C | Degrees (°C), -55 - +115, if 850 - Sensor not ready if 2000 - Value read error if 3000 - Not connected if 4000 - ID failed if 5000 - same as 850 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 73 | Dallas Temperature 2 | 2 | Signed | -550 | 1150 | 0,1 | °C | Degrees (°C), -55 - +115, if 850 - Sensor not ready if 2000 - Value read error if 3000 - Not connected if 4000 - ID failed if 5000 - same as 850 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 74 | Dallas Temperature 3 | 2 | Signed | -550 | 1150 | 0,1 | °C | Degrees (°C), -55 - +115, if 850 - Sensor not ready if 2000 - Value read error if 3000 - Not connected if 4000 - ID failed if 5000 - same as 850 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 75 | Dallas Temperature 4 | 2 | Signed | -550 | 1150 | 0,1 | °C | Degrees (°C), -55 - +115, if 850 - Sensor not ready if 2000 - Value read error if 3000 - Not connected if 4000 - ID failed if 5000 - same as 850 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 62 | Dallas Temperature ID 1 | 8 | Unsigned | 0 | 0xffffffff | - | - | Dallas sensor ID | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 63 | Dallas Temperature ID 2 | 8 | Unsigned | 0 | 0xffffffff | - | - | Dallas sensor ID | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 64 | Dallas Temperature ID 3 | 8 | Unsigned | 0 | 0xffffffff | - | - | Dallas sensor ID | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 65 | Dallas Temperature ID 4 | 8 | Unsigned | 0 | 0xffffffff | - | - | Dallas sensor ID | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 78 | iButton | 8 | Unsigned | 0 | 0xffffffff | - | - | iButton ID | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 76 | Fuel Counter | 4 | Unsigned | 0 | 4294967295 | - | - | Number of impulses on selected input or difference between impulses on 2 lines Read more about impulse counters here | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 10640 | Impulse counter frequency 1 | 4 | Unsigned | 0 | 4294967295 | - | Hz | Impulse frequency of the selected input | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 10641 | Impulse counter RPM 1 | 4 | Unsigned | 0 | 4294967295 | - | RPM | Impulse RPM of the selected input | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 483 | Impulse Counter 2 | 4 | Unsigned | 0 | 4294967295 | - | - | Number of impulses on selected input | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 10642 | Impulse counter frequency 2 | 4 | Unsigned | 0 | 4294967295 | - | Hz | Impulse frequency of the selected input | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 10643 | Impulse counter RPM 2 | 4 | Unsigned | 0 | 4294967295 | - | RPM | Impulse RPM of the selected input | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 10911 | Impulse counter value 1 | 4 | Unsigned | 0 | 4294967295 | - | - | Impulse count of the selected input | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 10912 | Impulse counter value 3 | 4 | Unsigned | 0 | 4294967295 | - | - | Impulse count of the selected input | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 10913 | Impulse counter frequency 3 | 4 | Unsigned | 0 | 4294967295 | - | Hz | Impulse frequency of the selected input | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 10914 | Impulse counter RPM 3 | 4 | Unsigned | 0 | 4294967295 | - | rpm | Impulse RPM of the selected input | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 10915 | Impulse counter value 4 | 4 | Unsigned | 0 | 4294967295 | - | - | Impulse count of the selected input | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 10916 | Impulse counter frequency 4 | 4 | Unsigned | 0 | 4294967295 | - | Hz | Impulse frequency of the selected input | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 10917 | Impulse counter RPM 4 | 4 | Unsigned | 0 | 4294967295 | - | rpm | Impulse RPM of the selected input | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 207 | RFID | 8 | Unsigned | 0 | 0xffffffff | - | - | RFID ID | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 201 | LLS 1 Fuel Level | 2 | Signed | -4 | 32767 | - | kVnts or ltr | Fuel level measured by LLS sensor via RS232 in kVnts or liters | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 202 | LLS 1 Temperature | 1 | Signed | -128 | 127 | - | °C | Fuel temperature measured by LLS via RS232 in degrees Celsius | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 203 | LLS 2 Fuel Level | 2 | Signed | -4 | 32767 | - | kVnts or ltr | Fuel level measured by LLS sensor via RS232 in kVnts or liters | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 204 | LLS 2 Temperature | 1 | Signed | -128 | 127 | - | °C | Fuel temperature measured by LLS via RS232 in degrees Celsius | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 210 | LLS 3 Fuel Level | 2 | Signed | -4 | 32767 | - | kVnts or ltr | Fuel level measured by LLS sensor via RS232 in kVnts or liters | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 211 | LLS 3 Temperature | 1 | Signed | -128 | 127 | - | °C | Fuel temperature measured by LLS via RS232 in degrees Celsius | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 212 | LLS 4 Fuel Level | 2 | Signed | -4 | 32767 | - | kVnts or ltr | Fuel level measured by LLS sensor via RS232 in kVnts or liters | FMB640 EMC640 EMM640 | Permanent I/O elements |

| | | | | | | | | | | |
|-------|------------------------------|---|----------|------|------------|-------|----------------|--|--|------------------------|
| 213 | LLS 4 Temperature | 1 | Signed | -128 | 127 | - | °C | Fuel temperature measured by LLS via RS232 in degrees Celsius | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 214 | LLS 5 Fuel Level | 2 | Signed | -4 | 32767 | - | kvaunts or ltr | Fuel level measured by LLS sensor via RS232 in kvaunts or liters | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 215 | LLS 5 Temperature | 1 | Signed | -128 | 127 | - | °C | Fuel temperature measured by LLS via RS232 in degrees Celsius | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 178 | Network Type | 1 | Unsigned | 0 | 4 | - | - | 0 - 3G 1 - 2G 2 - 4G 3 - CAT M1 4 - CAT NB1 | FMC640 EMM640 | Permanent I/O elements |
| 108 | Number Of Records | 2 | Unsigned | 0 | 65535 | - | - | Record counter, counts records saved since startup. | FMC640 EMM640 | Permanent I/O elements |
| 4 | Digital Input 4 | 1 | Unsigned | 0 | 1 | - | - | Logic: 0/1 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 50 | Digital Output 3 | 1 | Unsigned | 0 | 1 | - | - | Logic: 0/1 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 51 | Digital Output 4 | 1 | Unsigned | 0 | 1 | - | - | Logic: 0/1 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 11 | Analog Input 3 | 2 | Unsigned | 0 | 30000 | 0,001 | V | Voltage, V | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 245 | Analog Input 4 | 2 | Unsigned | 0 | 30000 | 0,001 | V | Voltage, V | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 70 | PCB Temperature | 2 | Signed | -550 | 1150 | 0,1 | °C | Degrees (°C) | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 5 | Dallas Temperature ID 5 | 8 | Unsigned | 0 | 0xffffffff | - | - | Dallas sensor ID | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 6 | Dallas Temperature 5 | 2 | Signed | -550 | 1150 | 0,1 | °C | Degrees (°C), -55 - +115, if 850 - Sensor not ready if 2000 - Value read error if 3000 - Not connected if 4000 - ID failed if 5000 - same as 850 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 7 | Dallas Temperature ID 6 | 8 | Unsigned | 0 | 0xffffffff | - | - | Dallas sensor ID | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 8 | Dallas Temperature 6 | 2 | Signed | -550 | 1150 | 0,1 | °C | Degrees (°C), -55 - +115, if 850 - Sensor not ready if 2000 - Value read error if 3000 - Not connected if 4000 - ID failed if 5000 - same as 850 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 217 | RFID COM2 | 8 | Unsigned | 0 | 0xffffffff | - | - | RFID ID on COM2 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 218 | IMSI | 8 | Unsigned | 0 | 0xffffffff | - | - | International mobile subscriber identity | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 224 | Ultrasonic Fuel Level 1 | 2 | Signed | -15 | 32767 | 0,1 | mm | | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 225 | Ultrasonic Fuel Level 2 | 2 | Signed | -15 | 32767 | 0,1 | mm | | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 208 | Ultrasonic Software Status 1 | 1 | Unsigned | 0 | 255 | - | - | 0 - Software - Normal 1 - Software - The system has just started, output measurement value 2 - Software - Gas delay count 3 - Software - The measured value is invalid 4 - Software - The stationary state 5 - No data received for 50-60 seconds 9 - Software - a sudden drop 10 - Software - a sudden rise 11 - Software - delay time of the sudden drop 12 - Software - delay time of the sudden rise 13 - Software - The stationary state, maintain the liquid level height value outputs changed 15 - Software - A sudden drop/rise on an tilt | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 209 | Ultrasonic Software Status 2 | 1 | Unsigned | 0 | 255 | - | - | Values are identical to Ultrasonic Software Status 1 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 10009 | Eco score | 2 | Unsigned | 0 | 65535 | 0,01 | - | Average amount of events on some distance | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 10487 | 1Wire Humidity 1 | 1 | Unsigned | 0 | 0xFF | - | % | 1Wire Humidity 1 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 10488 | 1Wire Humidity 2 | 1 | Unsigned | 0 | 0xFF | - | % | 1Wire Humidity 2 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 10489 | 1Wire Humidity 3 | 1 | Unsigned | 0 | 0xFF | - | % | 1Wire Humidity 3 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 10490 | 1Wire Humidity 4 | 1 | Unsigned | 0 | 0xFF | - | % | 1Wire Humidity 4 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 10491 | 1Wire Humidity 5 | 1 | Unsigned | 0 | 0xFF | - | % | 1Wire Humidity 5 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 10492 | 1Wire Humidity 6 | 1 | Unsigned | 0 | 0xFF | - | % | 1Wire Humidity 1 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 701 | BLE 1 Temperature | 2 | Signed | -400 | 1250 | 0,1 | °C | Degrees (°C), -40 - +125; Error codes: 4000 - abnormal sensor state 3000 - sensor not found 2000 - failed sensor data parsing | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 702 | BLE 2 Temperature | 2 | Signed | -400 | 1250 | 0,1 | °C | Degrees (°C), -40 - +125; Error codes: 4000 - abnormal sensor state 3000 - sensor not found 2000 - failed sensor data parsing | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 703 | BLE 3 Temperature | 2 | Signed | -400 | 1250 | 0,1 | °C | Degrees (°C), -40 - +125; Error codes: 4000 - abnormal sensor state 3000 - sensor not found 2000 - failed sensor data parsing | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 704 | BLE 4 Temperature | 2 | Signed | -400 | 1250 | 0,1 | °C | Degrees (°C), -40 - +125; Error codes: 4000 - abnormal sensor state 3000 - sensor not found 2000 - failed sensor data parsing | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 705 | BLE 1 Battery Voltage | 1 | Unsigned | 0 | 100 | - | % | Battery voltage of sensor #1 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 706 | BLE 2 Battery Voltage | 1 | Unsigned | 0 | 100 | - | % | Battery voltage of sensor #2 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 707 | BLE 3 Battery Voltage | 1 | Unsigned | 0 | 100 | - | % | Battery voltage of sensor #3 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 708 | BLE 4 Battery Voltage | 1 | Unsigned | 0 | 100 | - | % | Battery voltage of sensor #4 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 709 | BLE 1 Humidity | 2 | Unsigned | 0 | 1000 | 0,1 | %RH | Humidity as measured by sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 710 | BLE 2 Humidity | 2 | Unsigned | 0 | 1000 | 0,1 | %RH | Humidity as measured by sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 711 | BLE 3 Humidity | 2 | Unsigned | 0 | 1000 | 0,1 | %RH | Humidity as measured by sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 712 | BLE 4 Humidity | 2 | Unsigned | 0 | 1000 | 0,1 | %RH | Humidity as measured by sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 713 | BLE Sensor Custom 1 | 8 | Unsigned | 0 | 0xffffffff | - | - | Raw data of 1st BLE sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 714 | BLE Sensor Custom 2 | 8 | Unsigned | 0 | 0xffffffff | - | - | Raw data of 2nd BLE sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |

| | | | | | | | | | | |
|-----|----------------------|---|----------|---|------------|---|---|---------------------------------------|----------------------------|------------------------|
| 715 | BLE Sensor Custom 3 | 8 | Unsigned | 0 | 0xffffffff | - | - | Raw data of 3rd BLE sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 716 | BLE Sensor Custom 4 | 8 | Unsigned | 0 | 0xffffffff | - | - | Raw data of 4th BLE sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 717 | BLE Illum1 | 2 | Unsigned | 0 | 0xffff | - | - | Luminosity value of a BLE sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 718 | BLE Illum2 | 2 | Unsigned | 0 | 0xffff | - | - | Luminosity value of a BLE sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 719 | BLE Illum3 | 2 | Unsigned | 0 | 0xffff | - | - | Luminosity value of a BLE sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 720 | BLE Illum4 | 2 | Unsigned | 0 | 0xffff | - | - | Luminosity value of a BLE sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 721 | BLE LLS Fuel 1 | 2 | Unsigned | 0 | 0xffff | - | - | Fuel Level | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 722 | BLE LLS Fuel 2 | 2 | Unsigned | 0 | 0xffff | - | - | Fuel Level | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 723 | BLE LLS Fuel 3 | 2 | Unsigned | 0 | 0xffff | - | - | Fuel Level | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 724 | BLE LLS Fuel 4 | 2 | Unsigned | 0 | 0xffff | - | - | Fuel Level | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 725 | BLE Freq 1 | 4 | Unsigned | 0 | 0xffffffff | - | - | Frequency value of BLE fuel sensor #1 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 726 | BLE Freq 2 | 4 | Unsigned | 0 | 0xffffffff | - | - | Frequency value of BLE fuel sensor #2 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 727 | BLE Freq 3 | 4 | Unsigned | 0 | 0xffffffff | - | - | Frequency value of BLE fuel sensor #3 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 728 | BLE Freq 4 | 4 | Unsigned | 0 | 0xffffffff | - | - | Frequency value of BLE fuel sensor #4 | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 729 | BLE Sensor Custom 12 | 4 | Unsigned | 0 | 0xffffffff | - | - | Raw data of BLE sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 730 | BLE Sensor Custom 13 | 4 | Unsigned | 0 | 0xffffffff | - | - | Raw data of BLE sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 731 | BLE Sensor Custom 14 | 4 | Unsigned | 0 | 0xffffffff | - | - | Raw data of BLE sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 732 | BLE Sensor Custom 15 | 4 | Unsigned | 0 | 0xffffffff | - | - | Raw data of BLE sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 733 | BLE Sensor Custom 22 | 4 | Unsigned | 0 | 0xffffffff | - | - | Raw data of BLE sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 734 | BLE Sensor Custom 23 | 4 | Unsigned | 0 | 0xffffffff | - | - | Raw data of BLE sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 735 | BLE Sensor Custom 24 | 4 | Unsigned | 0 | 0xffffffff | - | - | Raw data of BLE sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 736 | BLE Sensor Custom 25 | 4 | Unsigned | 0 | 0xffffffff | - | - | Raw data of BLE sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 737 | BLE Sensor Custom 32 | 4 | Unsigned | 0 | 0xffffffff | - | - | Raw data of BLE sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 738 | BLE Sensor Custom 33 | 4 | Unsigned | 0 | 0xffffffff | - | - | Raw data of BLE sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 739 | BLE Sensor Custom 34 | 4 | Unsigned | 0 | 0xffffffff | - | - | Raw data of BLE sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 740 | BLE Sensor Custom 35 | 4 | Unsigned | 0 | 0xffffffff | - | - | Raw data of BLE sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 741 | BLE Sensor Custom 42 | 4 | Unsigned | 0 | 0xffffffff | - | - | Raw data of BLE sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 742 | BLE Sensor Custom 43 | 4 | Unsigned | 0 | 0xffffffff | - | - | Raw data of BLE sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 743 | BLE Sensor Custom 44 | 4 | Unsigned | 0 | 0xffffffff | - | - | Raw data of BLE sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |
| 744 | BLE Sensor Custom 45 | 4 | Unsigned | 0 | 0xffffffff | - | - | Raw data of BLE sensor | FMB640 EMC640 EMM640 | Permanent I/O elements |

FMS elements

| Property ID in AVL packet | Property Name | Bytes | Type | Value range | | Multiplier | Units | Description | HW Support | Parameter Group |
|---------------------------|-----------------------------|-------|----------|-------------|-----------|------------|-------|--|----------------------------|-----------------|
| | | | | Min | Max | | | | | |
| 79 | Brake Switch | 1 | Unsigned | 0 | 1 | - | - | 0 - Pedal released 1 - Pedal pressed | FMB640 EMC640 EMM640 | FMS elements |
| 80 | Wheel Based Speed | 4 | Unsigned | 0 | 65536 | - | km/h | | FMB640 EMC640 EMM640 | FMS elements |
| 81 | Cruise Control Active | 1 | Unsigned | 0 | 1 | - | - | 0 - Switched off 1 - Switched on | FMB640 EMC640 EMM640 | FMS elements |
| 82 | Clutch Switch | 1 | Unsigned | 0 | 1 | - | - | 0 - Pedal released 1 - Pedal pressed | FMB640 EMC640 EMM640 | FMS elements |
| 83 | PTO State | 1 | Unsigned | 0 | 1 | - | - | 0 - Off/disabled 1 - Set 2 - Not available | FMB640 EMC640 EMM640 | FMS elements |
| 84 | Acceleration Pedal Position | 4 | Unsigned | 0 | 102 | - | % | | FMB640 EMC640 EMM640 | FMS elements |
| 85 | Engine Current Load | 1 | Unsigned | 0 | 125 | - | % | | FMB640 EMC640 EMM640 | FMS elements |
| 86 | Engine Total Fuel Used | 4 | Unsigned | 0 | 210540607 | - | l | Value in liters, L | FMB640 EMC640 EMM640 | FMS elements |
| 87 | Fuel Level | 4 | Unsigned | 0 | 102 | - | % | | FMB640 EMC640 EMM640 | FMS elements |
| 88 | Engine Speed | 4 | Unsigned | 0 | 8032 | - | rpm | | FMB640 EMC640 EMM640 | FMS elements |
| 89 | Axle weight 1 | 2 | Unsigned | 0 | 32766 | - | kg | | FMB640 EMC640 EMM640 | FMS elements |
| 90 | Axle weight 2 | 2 | Unsigned | 0 | 32766 | - | kg | | FMB640 EMC640 EMM640 | FMS elements |
| 91 | Axle weight 3 | 2 | Unsigned | 0 | 32766 | - | kg | | FMB640 EMC640 EMM640 | FMS elements |
| 92 | Axle weight 4 | 2 | Unsigned | 0 | 32766 | - | kg | | FMB640 EMC640 EMM640 | FMS elements |

| | | | | | | | | | |
|-------|--|---|----------|---------|-------------|---|---------|---|--------------|
| 93 | Axle weight 5 | 2 | Unsigned | 0 | 32766 | - | kg | FMB640 FMC640 FMM640 | FMS elements |
| 94 | Axle weight 6 | 2 | Unsigned | 0 | 32766 | - | kg | FMB640 FMC640 FMM640 | FMS elements |
| 95 | Axle weight 7 | 2 | Unsigned | 0 | 32766 | - | kg | FMB640 FMC640 FMM640 | FMS elements |
| 96 | Axle weight 8 | 2 | Unsigned | 0 | 32766 | - | kg | FMB640 FMC640 FMM640 | FMS elements |
| 97 | Axle weight 9 | 2 | Unsigned | 0 | 32766 | - | kg | FMB640 FMC640 FMM640 | FMS elements |
| 98 | Axle weight 10 | 2 | Unsigned | 0 | 32766 | - | kg | FMB640 FMC640 FMM640 | FMS elements |
| 99 | Axle weight 11 | 2 | Unsigned | 0 | 32766 | - | kg | FMB640 FMC640 FMM640 | FMS elements |
| 100 | Axle weight 12 | 2 | Unsigned | 0 | 32766 | - | kg | FMB640 FMC640 FMM640 | FMS elements |
| 101 | Axle weight 13 | 2 | Unsigned | 0 | 32766 | - | kg | FMB640 FMC640 FMM640 | FMS elements |
| 102 | Axle weight 14 | 2 | Unsigned | 0 | 32766 | - | kg | FMB640 FMC640 FMM640 | FMS elements |
| 103 | Axle weight 15 | 2 | Unsigned | 0 | 32766 | - | kg | FMB640 FMC640 FMM640 | FMS elements |
| 104 | Engine Total Hours Of Operation | 4 | Unsigned | 0 | 214748364 | - | h | FMB640 FMC640 FMM640 | FMS elements |
| 109 | Software Version Supported | 4 | Unsigned | 0 | 0xffffffff | - | - | Format: ab.cd ab = byte1 byte2 cd = byte3 byte4 FMB640 FMC640 FMM640 | FMS elements |
| 110 | Diagnostics Supported | 1 | Unsigned | 0 | 3 | - | - | 0 - Diagnostics is not supported 1 - Diagnostics is supported 2 - Reserved 3 - Do not care FMB640 FMC640 FMM640 | FMS elements |
| 111 | Requests Supported | 1 | Unsigned | 0 | 3 | - | - | 0 - Request is not supported 1 - Request is supported 2 - Reserved 3 - Do not care FMB640 FMC640 FMM640 | FMS elements |
| 113 | Service Distance | 4 | Signed | -160635 | 167040 | - | km | FMB640 FMC640 FMM640 | FMS elements |
| 122 | Direction Indication | 1 | Unsigned | 0 | 3 | - | - | 0 - Vehicle is moving Forward 1 - Reverse 2 - Error 3 - Not available FMB640 FMC640 FMM640 | FMS elements |
| 123 | Tachograph Performance | 1 | Unsigned | 0 | 3 | - | - | 0 - Normal performance 1 - Performance analysis 2 - Error 3 - Not available FMB640 FMC640 FMM640 | FMS elements |
| 124 | Handling Info | 1 | Unsigned | 0 | 3 | - | - | 0 - No handling information 1 - Handling information 2 - Error 3 - Not available FMB640 FMC640 FMM640 | FMS elements |
| 125 | System Event | 1 | Unsigned | 0 | 3 | - | - | 0 - No tachograph event 1 - Tachograph event 2 - Error 3 - Not available FMB640 FMC640 FMM640 | FMS elements |
| 127 | Engine Coolant Temperature | 1 | Signed | -40 | 210 | - | °C | Offset by -40 FMB640 FMC640 FMM640 | FMS elements |
| 128 | Ambient Air Temperature | 2 | Signed | -273 | 1770 | - | °C | FMB640 FMC640 FMM640 | FMS elements |
| 135 | Fuel Rate | 4 | Unsigned | 0 | 3212 | - | l/h | FMB640 FMC640 FMM640 | FMS elements |
| 136 | Instantaneous Fuel Economy | 4 | Unsigned | 0 | 125 | - | km/l | FMB640 FMC640 FMM640 | FMS elements |
| 137 | PTO Drive Engagement | 1 | Unsigned | 0 | 3 | - | - | 0 - No PTO drive is engaged 1 - At least one PTO drive is engaged 2 - Error 3 - Not available FMB640 FMC640 FMM640 | FMS elements |
| 138 | High Resolution Engine Total Fuel Used | 4 | Unsigned | 0 | 4211081.215 | - | l or ml | Resolution in l or ml depending on the FMS fuel settings (item id 121) FMB640 FMC640 FMM640 | FMS elements |
| 139 | Gross Combination Vehicle Weight | 4 | Unsigned | 0 | 642550 | - | kg | The total weight of the truck and all attached trailers. FMB640 FMC640 FMM640 | FMS elements |
| 229 | AdBlue status | 1 | Unsigned | 0 | 3 | - | - | 0 - Off 1 - Cond. Red 2 - Cond. Yellow 3 - Cond. info FMB640 FMC640 FMM640 | FMS elements |
| 357 | Brake Pedal Position | 1 | Unsigned | 0 | 100 | - | % | The ratio of current brake pedal position to the maximum possible position FMB640 FMC640 FMM640 | FMS elements |
| 10348 | Fuel level 2 | 1 | Unsigned | 0 | 100 | - | % | This parameter shows fuel level in secondary tank (if fuel type is different then currently used fuel) FMB640 FMC640 FMM640 | FMS elements |
| 10349 | MIL indicator | 1 | Unsigned | 0 | 100 | - | - | 0 - OFF 1 - Condition Red 2 - Condition Yellow 3 - Condition Info 7 - Not Available FMB640 FMC640 FMM640 There are three possible conditions stated: Red, Yellow, Info. The interpretation of the status is manufacturer dependant and might be different. For details please refer to the manufacturer's document. | FMS elements |
| 10428 | Tell Tale 0 | 8 | HEX | 0 | 0xffffffff | - | - | IO element describes Tell Tale Block ID message received from Block ID 0 in Hexadecimal format. FMB640 FMC640 FMM640 | FMS elements |
| 10429 | Tell Tale 1 | 8 | HEX | 0 | 0xffffffff | - | - | IO element describes Tell Tale Block ID message received from Block ID 1 in Hexadecimal format. FMB640 FMC640 FMM640 | FMS elements |
| 10430 | Tell Tale 2 | 8 | HEX | 0 | 0xffffffff | - | - | IO element describes Tell Tale Block ID message received from Block ID 2 in Hexadecimal format. FMB640 FMC640 FMM640 | FMS elements |
| 10431 | Tell Tale 3 | 8 | HEX | 0 | 0xffffffff | - | - | IO element describes Tell Tale Block ID message received from Block ID 3 in Hexadecimal format. FMB640 FMC640 FMM640 | FMS elements |
| 10455 | AdBlue level | 1 | Unsigned | 0 | 100 | - | % | AdBlue level FMB640 FMC640 FMM640 | FMS elements |
| 10493 | DTC DM1 | 4 | Unsigned | 0 | 4294967295 | - | - | DTC DM1 FMB640 | FMS elements |
| 10494 | DTC Time DM1 | 4 | Unsigned | 0 | 4294967295 | - | s | DTC Time DM1 FMB640 | FMS elements |
| 10495 | DTC DM2 | 4 | Unsigned | 0 | 4294967295 | - | - | DTC DM2 FMB640 | FMS elements |
| 10496 | DTC Time DM2 | 4 | Unsigned | 0 | 4294967295 | - | s | DTC Time DM2 FMB640 | FMS elements |

CAN adapters elements

| Property ID in AVL packet | Property Name | Bytes | Type | Value range | | Multiplier | Units | Description | HW Support | Parameter Group |
|---------------------------|----------------|-------|----------|-------------|------------|------------|-------|---------------------------|----------------------------|-----------------------|
| | | | | Min | Max | | | | | |
| 12 | Program Number | 2 | Unsigned | 0 | 999 | - | - | Value: Min - 0, Max - 999 | FMB640 FMC640 FMM640 | CAN adapters elements |
| 13 | Module ID | 8 | Unsigned | 0 | 0xffffffff | - | - | Module ID | FMB640 FMC640 FMM640 | CAN adapters elements |

| | | | | | | | | | | |
|-----|------------------------------|---|----------|-------|------------|-----|------|---|----------------------------|-----------------------|
| 14 | Engine Worktime | 4 | Unsigned | 0 | 16777215 | - | min | Engine work time in minutes | FMB640 EMC640 EMM640 | CAN adapters elements |
| 15 | Engine Worktime (Counted) | 4 | Unsigned | 0 | 16777215 | - | min | Total Engine work time in minutes | FMB640 EMC640 EMM640 | CAN adapters elements |
| 16 | Total Mileage (Counted) | 4 | Unsigned | 0 | 4294967295 | - | m | Total Vehicle Mileage, m | FMB640 EMC640 EMM640 | CAN adapters elements |
| 17 | Fuel Consumed (counted) | 4 | Unsigned | 0 | 2147483647 | 0,1 | l | Total Fuel Consumed, l | FMB640 EMC640 EMM640 | CAN adapters elements |
| 18 | Fuel Rate | 2 | Unsigned | 0 | 32768 | 0,1 | l/h | Fuel Rate l/h | FMB640 EMC640 EMM640 | CAN adapters elements |
| 19 | AdBlue Level Percent | 1 | Unsigned | 0 | 255 | - | % | AdBlue, % | FMB640 EMC640 EMM640 | CAN adapters elements |
| 20 | AdBlue Level Liters | 2 | Unsigned | 0 | 65535 | 0,1 | l | AdBlue level, L | FMB640 EMC640 EMM640 | CAN adapters elements |
| 23 | Engine Load | 1 | Unsigned | 0 | 130 | - | % | Engine load, % | FMB640 EMC640 EMM640 | CAN adapters elements |
| 25 | Engine Temperature | 2 | Signed | -600 | 1270 | 0,1 | °C | Engine Temperature, °C | FMB640 EMC640 EMM640 | CAN adapters elements |
| 26 | Axle 1 Load | 2 | Unsigned | 0 | 32768 | - | kg | Axle 1 load, kg | FMB640 EMC640 EMM640 | CAN adapters elements |
| 27 | Axle 2 Load | 2 | Unsigned | 0 | 32768 | - | kg | Axle 2 load, kg | FMB640 EMC640 EMM640 | CAN adapters elements |
| 28 | Axle 3 Load | 2 | Unsigned | 0 | 32768 | - | kg | Axle 3 load, kg | FMB640 EMC640 EMM640 | CAN adapters elements |
| 29 | Axle 4 Load | 2 | Unsigned | 0 | 32768 | - | kg | Axle 4 load, kg | FMB640 EMC640 EMM640 | CAN adapters elements |
| 30 | Vehicle Speed | 1 | Unsigned | 0 | 255 | - | km/h | Value in km/h | FMB640 EMC640 EMM640 | CAN adapters elements |
| 31 | Accelerator Pedal Position | 1 | Unsigned | 0 | 255 | - | % | Value in percentages, % | FMB640 EMC640 EMM640 | CAN adapters elements |
| 32 | Axle 5 Load | 2 | Unsigned | 0 | 32768 | - | kg | Axle 5 load, kg | FMB640 EMC640 EMM640 | CAN adapters elements |
| 33 | Fuel Consumed | 4 | Unsigned | 0 | 2147483647 | 0,1 | l | Value in liters, L | FMB640 EMC640 EMM640 | CAN adapters elements |
| 34 | Fuel Level Liters | 2 | Unsigned | 0 | 65535 | 0,1 | l | Value in liters, L | FMB640 EMC640 EMM640 | CAN adapters elements |
| 35 | Engine RPM | 2 | Unsigned | 0 | 16384 | - | rpm | Value in rounds per minute, rpm | FMB640 EMC640 EMM640 | CAN adapters elements |
| 36 | Total Mileage | 4 | Unsigned | 0 | 4294967295 | - | m | Value in meters, m | FMB640 EMC640 EMM640 | CAN adapters elements |
| 37 | Fuel Level Percent | 1 | Unsigned | 0 | 255 | - | % | Value in percentages, % | FMB640 EMC640 EMM640 | CAN adapters elements |
| 38 | Control State Flags | 4 | Unsigned | 0 | 4294967295 | - | - | Control State Flags | FMB640 EMC640 EMM640 | CAN adapters elements |
| 39 | Agricultural Machinery Flags | 8 | Unsigned | 0 | 0xffffffff | - | - | Agricultural machinery flags | FMB640 EMC640 EMM640 | CAN adapters elements |
| 40 | Harvesting Time | 4 | Unsigned | 0 | 16777215 | - | min | Harvesting time, minutes | FMB640 EMC640 EMM640 | CAN adapters elements |
| 41 | Area of Harvest | 4 | Unsigned | 0 | 4294967295 | - | m2 | Area of Harvest, m2 | FMB640 EMC640 EMM640 | CAN adapters elements |
| 42 | Mowing Efficiency | 4 | Unsigned | 0 | 4294967295 | - | m2/h | Mowing efficiency, (m^2)/h | FMB640 EMC640 EMM640 | CAN adapters elements |
| 43 | Grain Mown Volume | 4 | Unsigned | 0 | 4294967295 | - | kg | Mown Volume, kg | FMB640 EMC640 EMM640 | CAN adapters elements |
| 44 | Grain Moisture | 2 | Unsigned | 0 | 65535 | 0,1 | % | Grain Moisture in proc. % | FMB640 EMC640 EMM640 | CAN adapters elements |
| 45 | Harvesting Drum RPM | 2 | Unsigned | 0 | 65535 | - | rpm | Harvesting Drum RPM, RPM | FMB640 EMC640 EMM640 | CAN adapters elements |
| 46 | Gap Under Harvesting Drum | 1 | Unsigned | 0 | 255 | - | mm | Gap Under Harvesting Drum, mm | FMB640 EMC640 EMM640 | CAN adapters elements |
| 47 | Security State Flags | 8 | Unsigned | 0 | 0xffffffff | - | - | Security State Flag | FMB640 EMC640 EMM640 | CAN adapters elements |
| 141 | Battery Temperature | 2 | Unsigned | -600 | 1270 | 0,1 | °C | Degrees, °C | FMB640 EMC640 EMM640 | CAN adapters elements |
| 142 | Battery Level Percent | 1 | Unsigned | 0 | 255 | - | % | Value in percentages, % | FMB640 EMC640 EMM640 | CAN adapters elements |
| 143 | Door Status | 2 | Unsigned | 0 | 16128 | - | - | Min - 0, Max - 16128 Door status is represented as bitmask converted to decimal value. Possible values: 0 - all doors closed, 0x100 (256) - front left door is opened, 0x200 (512) - front right door is opened, 0x400 (1024) - rear left door is opened, 0x800 (2048) - rear right door is opened, 0x1000 (4096) - hood is opened, 0x2000 (8192) - trunk is opened, 0x3F00 (16128) - all doors are opened, or combinations of values | FMB640 EMC640 EMM640 | CAN adapters elements |
| 176 | DTC Errors | 1 | Unsigned | 0 | 255 | - | - | DTC Errors | FMB640 EMC640 EMM640 | CAN adapters elements |
| 226 | CNG Status | 1 | Unsigned | 0 | 1 | - | - | 0 - Engine not on CNG; 1 - Engine on CNG. | FMB640 EMC640 EMM640 | CAN adapters elements |
| 227 | CNG Used | 4 | Unsigned | 0 | 4294967295 | - | kg | CNG Used | FMB640 EMC640 EMM640 | CAN adapters elements |
| 228 | CNG Level | 2 | Unsigned | 0 | 65535 | - | % | CNG Level | FMB640 EMC640 EMM640 | CAN adapters elements |
| 500 | Slope Of Arm | 2 | Signed | -3276 | 3276 | - | ° | Slope Of Arm, degrees ° | FMB640 EMC640 EMM640 | CAN adapters elements |
| 501 | Rotation Of Arm | 2 | Signed | -180 | 180 | - | ° | Rotation Of Arm, degrees ° | FMB640 EMC640 EMM640 | CAN adapters elements |
| 502 | Eject Of Arm | 2 | Unsigned | 0 | 6553 | - | m | Eject Of Arm, m | FMB640 EMC640 EMM640 | CAN adapters elements |
| 503 | Horizontal Distance Arm | 2 | Unsigned | 0 | 6553 | - | m | Horizontal Distance Arm Vehicle, m | FMB640 EMC640 EMM640 | CAN adapters elements |
| 504 | Height Arm Above Ground | 2 | Unsigned | 0 | 6553 | - | m | Height Arm Above ground, m | FMB640 EMC640 EMM640 | CAN adapters elements |
| 505 | Drill RPM | 2 | Unsigned | 0 | 65535 | - | rpm | Drill RPM, RPM | FMB640 EMC640 EMM640 | CAN adapters elements |
| 506 | Spread Salt | 2 | Unsigned | 0 | 655 | - | g/m2 | Amount Of Spread Salt Square Meter, g/m2 | FMB640 EMC640 EMM640 | CAN adapters elements |
| 507 | Battery Voltage | 2 | Unsigned | 0 | 6553 | - | V | Battery Voltage, V | FMB640 EMC640 EMM640 | CAN adapters elements |
| 508 | Spread Fine Grained Salt | 4 | Unsigned | 0 | 1677722 | - | T | Amount Of Spread Fine Grained Salt, T | FMB640 EMC640 EMM640 | CAN adapters elements |
| 509 | Coarse Grained Salt | 4 | Unsigned | 0 | 1677722 | - | T | Amount Of Coarsed Grained Salt, T | FMB640 EMC640 EMM640 | CAN adapters elements |

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|-------|-----------------------------------|-----|----------|---|------------|---|-----|---|----------------------------|-----------------------|
| 510 | Spread DiMix | 4 | Unsigned | 0 | 1677722 | - | T | Amount Of Spread DiMix, T | FMB640 EMC640 EMM640 | CAN adapters elements |
| 511 | Spread Coarse Grained Calcium | 4 | Unsigned | 0 | 1677722 | - | m2 | Amount Of Spread Coarse Grained Calcium, m2 | FMB640 EMC640 EMM640 | CAN adapters elements |
| 512 | Spread Calcium Chloride | 4 | Unsigned | 0 | 1677722 | - | m2 | Amount Of Spread Calcium Chloride, m2 | FMB640 EMC640 EMM640 | CAN adapters elements |
| 513 | Spread Sodium Chloride | 4 | Unsigned | 0 | 1677722 | - | m2 | Amount Of Spread Sodium Chloride, m2 | FMB640 EMC640 EMM640 | CAN adapters elements |
| 514 | Spread Magnesium Chloride, m2 | 4 | Unsigned | 0 | 1677722 | - | m2 | Amount Of Spread Magnesium Chloride, m2 | FMB640 EMC640 EMM640 | CAN adapters elements |
| 515 | Amount Of Spread Gravel | 4 | Unsigned | 0 | 1677722 | - | T | Amount Of Spread Gravel, T | FMB640 EMC640 EMM640 | CAN adapters elements |
| 516 | Amount Of Spread Sand | 4 | Unsigned | 0 | 1677722 | - | T | Amount Of Spread Sand, T | FMB640 EMC640 EMM640 | CAN adapters elements |
| 517 | Width Pouring Left | 2 | Unsigned | 0 | 655 | - | m | Width pouring left, m | FMB640 EMC640 EMM640 | CAN adapters elements |
| 518 | Width Pouring Right | 2 | Unsigned | 0 | 655 | - | m | Width pouring right, m | FMB640 EMC640 EMM640 | CAN adapters elements |
| 519 | Salt Spreader Working Hours | 4 | Unsigned | 0 | 1677722 | - | h | Salt Spreader Working Hours, h | FMB640 EMC640 EMM640 | CAN adapters elements |
| 520 | Distance During Salting | 4 | Unsigned | 0 | 1677722 | - | km | Distance During salting, km | FMB640 EMC640 EMM640 | CAN adapters elements |
| 521 | Load Weight | 4 | Unsigned | 0 | 16777215 | - | kg | Load Weight, kg | FMB640 EMC640 EMM640 | CAN adapters elements |
| 522 | Retarder Load | 1 | Unsigned | 0 | 130 | - | % | Retarder Load, % | FMB640 EMC640 EMM640 | CAN adapters elements |
| 523 | Cruise Time | 4 | Unsigned | 0 | 16777215 | - | min | Cruise time, minutes | FMB640 EMC640 EMM640 | CAN adapters elements |
| 524 | Engine Oil Level | 1 | Unsigned | 0 | 255 | - | - | Oil level | FMB640 EMC640 EMM640 | CAN adapters elements |
| 525 | Fault Codes | 128 | ASCII | 0 | 128 | - | - | Fault Codes (values seperated via ".") | FMB640 EMC640 EMM640 | CAN adapters elements |
| 526 | Vehicles Range On Battery | 4 | Unsigned | 0 | 16777215 | - | m | Vehicles Range On Battery | FMB640 EMC640 EMM640 | CAN adapters elements |
| 527 | Vehicles Range On Additional Fuel | 4 | Unsigned | 0 | 2147483647 | - | m | Vehicles Range On Additional Fuel | FMB640 EMC640 EMM640 | CAN adapters elements |
| 528 | VIN | 17 | ASCII | 0 | 0xFF | - | - | VIN number | FMB640 EMC640 EMM640 | CAN adapters elements |
| 529 | Module ID 17B | 17 | HEX | 0 | 0x7FFFFFFF | - | - | Module ID 17 bytes | FMB640 EMC640 EMM640 | CAN adapters elements |
| 10631 | LVCAN Driver Seatbelt | 1 | Unsigned | 0 | 1 | - | - | Driver Seatbelt | FMB640 EMC640 EMM640 | CAN adapters elements |
| 10632 | LVCAN Front Passenger Seatbelt | 1 | Unsigned | 0 | 1 | - | - | Front Passenger Seatbelt | FMB640 EMC640 EMM640 | CAN adapters elements |

Eventual I/O elements

| Property ID in AVL packet | Property Name | Bytes | Type | Value range | | Multiplier | Units | Description | HW Support | Parameter Group |
|---------------------------|---------------------|-------|----------|-------------|------|------------|-------|---|----------------------------|-----------------------|
| | | | | Min | Max | | | | | |
| 52 | Tacho drive no card | 1 | Unsigned | 0 | 1 | - | - | 0 - No card stop 1 - No card start | FMB640 EMC640 EMM640 | Eventual I/O elements |
| 70 | PCB Temperature | 2 | Signed | -550 | 1150 | 0,1 | °C | Degrees (°C) | FMB640 EMC640 EMM640 | Eventual I/O elements |
| 155 | Geofence zone 01 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 EMM640 | Eventual I/O elements |
| 156 | Geofence zone 02 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 EMM640 | Eventual I/O elements |
| 157 | Geofence zone 03 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 EMM640 | Eventual I/O elements |
| 158 | Geofence zone 04 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 EMM640 | Eventual I/O elements |
| 159 | Geofence zone 05 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 EMM640 | Eventual I/O elements |
| 160 | Geofence zone 06 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 EMM640 | Eventual I/O elements |
| 161 | Geofence zone 07 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 EMM640 | Eventual I/O elements |
| 162 | Geofence zone 08 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 EMM640 | Eventual I/O elements |
| 163 | Geofence zone 09 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 EMM640 | Eventual I/O elements |
| 164 | Geofence zone 10 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 EMM640 | Eventual I/O elements |
| 165 | Geofence zone 11 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 EMM640 | Eventual I/O elements |
| 166 | Geofence zone 12 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 EMM640 | Eventual I/O elements |
| 167 | Geofence zone 13 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 EMM640 | Eventual I/O elements |
| 168 | Geofence zone 14 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 EMM640 | Eventual I/O elements |
| 169 | Geofence zone 15 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 EMM640 | Eventual I/O elements |
| 170 | Geofence zone 16 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 EMM640 | Eventual I/O elements |
| 171 | Geofence zone 17 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 EMM640 | Eventual I/O elements |
| 172 | Geofence zone 18 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 EMM640 | Eventual I/O elements |
| 173 | Geofence zone 19 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 EMM640 | Eventual I/O elements |
| 174 | Geofence zone 20 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 EMM640 | Eventual I/O elements |
| 327 | Geofence zone 21 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 EMM640 | Eventual I/O elements |

| | | | | | | | | | | |
|-----|-----------------------------|-----|----------|---|------------|-----------------------|----------|--|----------------------------|------------------------|
| 569 | Geofence zone 70 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 570 | Geofence zone 71 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 571 | Geofence zone 72 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 572 | Geofence zone 73 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 573 | Geofence zone 74 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 574 | Geofence zone 75 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 575 | Geofence zone 76 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 576 | Geofence zone 77 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 577 | Geofence zone 78 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 578 | Geofence zone 79 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 579 | Geofence zone 80 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 580 | Geofence zone 81 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 581 | Geofence zone 82 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 582 | Geofence zone 83 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 583 | Geofence zone 84 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 584 | Geofence zone 85 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 585 | Geofence zone 86 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 586 | Geofence zone 87 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 587 | Geofence zone 88 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 588 | Geofence zone 89 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 589 | Geofence zone 90 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 590 | Geofence zone 91 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 591 | Geofence zone 92 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 592 | Geofence zone 93 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 593 | Geofence zone 94 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 594 | Geofence zone 95 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 595 | Geofence zone 96 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 596 | Geofence zone 97 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 597 | Geofence zone 98 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 598 | Geofence zone 99 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 599 | Geofence zone 100 | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 175 | Auto Geofence | 1 | Unsigned | 0 | 1 | - | - | 0 - target left zone 1 - target entered zone | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 250 | Trip | 1 | Unsigned | 0 | 1 | - | - | 1 - trip start. 0 - trip stop. | FMB640 EMC640 FMM640 | Permanent I/O elements |
| 255 | Over Speeding | 1 | Unsigned | 0 | 255 | - | km/h | At over speeding start km/h, at over speeding end km/h | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 257 | Crash Trace Data | 466 | HEX | 0 | 466 | - | - | Crash Trace Data | FMB640 EMC640 FMM640 | Permanent I/O elements |
| 258 | EcoMaximum | 8 | Unsigned | 0 | 0xffffffff | - | - | Element stores maximum accelerometer values in mg on all axis during Eco driving event 8 Bytes: 2B Zeros 2B - X axis 2B - Y axis 2B - Z axis | FMB640 EMC640 FMM640 | Permanent I/O elements |
| 259 | EcoAverage | 8 | Unsigned | 0 | 0xffffffff | - | - | Element stores average accelerometer values in mg on all axis during Eco 8 Bytes: 2B Zeros 2B - X axis 2B - Y axis 2B - Z axis | FMB640 EMC640 FMM640 | Permanent I/O elements |
| 260 | EcoDuration | 2 | Unsigned | 0 | 65535 | - | - | Duration of Eco driving in milliseconds. | FMB640 EMC640 FMM640 | Permanent I/O elements |
| 243 | Idling | 1 | Unsigned | 0 | 1 | - | - | 0 - moving, 1 - idling | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 244 | Camera Image Generated | 4 | Unsigned | 0 | 4294967295 | - | - | Image id is timestamp value | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 253 | Green Driving Type | 1 | Unsigned | 1 | 3 | - | - | 1 - harsh acceleration, 2 - harsh braking, 3 - harsh cornering | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 246 | Towing | 1 | Unsigned | 0 | 1 | - | - | 0 - steady, 1 - towing | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 248 | Geofence Zone Over Speeding | 1 | Unsigned | 0 | 255 | - | - | Number of Geofence Zone where Over Speeding is detected | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 247 | Crash Detection | 1 | Unsigned | 0 | 5 | - | - | 1 - Crash detected 2 - limited crash trace (device not calibrated) 3 - limited crash trace (device is calibrated) 4 - full crash trace (device not calibrated) 5 - full crash trace (device is calibrated) | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 251 | Immobilizer | 1 | Unsigned | 0 | 3 | - | - | 0 - iButton not connected 1 - iButton connected (Immobilizer) 2 - iButton connected (Authorized Driving) 3 - Authorization timeout | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 254 | Green Driving Value | 1 | Unsigned | 0 | 255 | acc and braking: 0.01 | G or rad | Depending on green driving type: if harsh acceleration or braking - g*100 (value 123 -> 1.23g), if harsh cornering - degrees (value in radians) | FMB640 EMC640 FMM640 | Eventual I/O elements |
| 249 | Jamming | 1 | Unsigned | 0 | 1 | - | - | 1 - jamming start 0 - jamming stop | FMB640 EMC640 FMM640 | Eventual I/O elements |

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|-------|--------------------|-----|----------|---|-----|---|---|---|----------------------------|------------------------|
| 252 | Authorized Driving | 1 | Unsigned | 0 | 3 | - | - | 0 - iButton not connected 1 - authorized iButton connected 2 - non authorized iButton attached 3 - authorization timeout | FMB640 FMC640 FMM640 | Eventual I/O elements |
| 242 | Data Limit Hit | 1 | Unsigned | 0 | 1 | - | - | 0 - Data limit hit in home; 1 - Data limit hit in roaming. | FMB640 FMC640 FMM640 | Eventual I/O elements |
| 358 | Custom Scenario 1 | 1 | Unsigned | 0 | 1 | - | - | | FMB640 FMC640 FMM640 | Eventual I/O elements |
| 359 | Custom Scenario 2 | 1 | Unsigned | 0 | 1 | - | - | | FMB640 FMC640 FMM640 | Eventual I/O elements |
| 360 | Custom Scenario 3 | 1 | Unsigned | 0 | 1 | - | - | | FMB640 FMC640 FMM640 | Eventual I/O elements |
| 361 | Custom Scenario 4 | 1 | Unsigned | 0 | 1 | - | - | | FMB640 FMC640 FMM640 | Eventual I/O elements |
| 10611 | RS232_COM1Data | 200 | HEX | 0 | 200 | - | - | RS232_COM1Data to IO | FMB640 FMC640 FMM640 | Permanent I/O elements |
| 10612 | RS232_COM2Data | 200 | HEX | 0 | 200 | - | - | RS232_COM2Data to IO | FMB640 FMC640 FMM640 | Permanent I/O elements |

Manual CAN elements

| Property ID in AVL packet | Property Name | Bytes | Type | Value range | | Multiplier | Units | Description | HW Support | Parameter Group |
|---------------------------|---------------|-------|----------|-------------|----------------|------------|-------|-------------|----------------------------|---------------------|
| | | | | Min | Max | | | | | |
| 145 | Manual CAN 00 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 146 | Manual CAN 01 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 147 | Manual CAN 02 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 148 | Manual CAN 03 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 149 | Manual CAN 04 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 150 | Manual CAN 05 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 151 | Manual CAN 06 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 152 | Manual CAN 07 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 153 | Manual CAN 08 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 154 | Manual CAN 09 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 380 | Manual CAN 10 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 381 | Manual CAN 11 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 382 | Manual CAN 12 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 383 | Manual CAN 13 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 384 | Manual CAN 14 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 385 | Manual CAN 15 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 386 | Manual CAN 16 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 387 | Manual CAN 17 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 388 | Manual CAN 18 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 389 | Manual CAN 19 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 10298 | Manual CAN 20 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 10299 | Manual CAN 21 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 10300 | Manual CAN 22 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 10301 | Manual CAN 23 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 10302 | Manual CAN 24 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 10303 | Manual CAN 25 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 10304 | Manual CAN 26 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 10305 | Manual CAN 27 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 10306 | Manual CAN 28 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 10307 | Manual CAN 29 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 10308 | Manual CAN 30 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 10309 | Manual CAN 31 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 10310 | Manual CAN 32 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 10311 | Manual CAN 33 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 10312 | Manual CAN 34 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |
| 10313 | Manual CAN 35 | 1-8 | Unsigned | 0 | 0xffffffffffff | - | - | | FMB640 FMC640 FMM640 | Manual CAN elements |

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|-------|---------------|-----|----------|---|------------|---|---|----------------------------|---------------------|
| 10314 | Manual CAN 36 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10315 | Manual CAN 37 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10316 | Manual CAN 38 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10317 | Manual CAN 39 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10318 | Manual CAN 40 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10319 | Manual CAN 41 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10320 | Manual CAN 42 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10321 | Manual CAN 43 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10322 | Manual CAN 44 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10323 | Manual CAN 45 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10324 | Manual CAN 46 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10325 | Manual CAN 47 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10326 | Manual CAN 48 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10327 | Manual CAN 49 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10328 | Manual CAN 50 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10329 | Manual CAN 51 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10330 | Manual CAN 52 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10331 | Manual CAN 53 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10332 | Manual CAN 54 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10333 | Manual CAN 55 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10334 | Manual CAN 56 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10335 | Manual CAN 57 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10336 | Manual CAN 58 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10337 | Manual CAN 59 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10338 | Manual CAN 60 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10339 | Manual CAN 61 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10340 | Manual CAN 62 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10341 | Manual CAN 63 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10342 | Manual CAN 64 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10343 | Manual CAN 65 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10344 | Manual CAN 66 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10345 | Manual CAN 67 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10346 | Manual CAN 68 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |
| 10347 | Manual CAN 69 | 1-8 | Unsigned | 0 | 0xffffffff | - | - | FMB640 EMC640 EMM640 | Manual CAN elements |

Tachograph data elements

| Property ID in AVL packet | Property Name | Bytes | Type | Value range | | Multiplier | Units | Description | HW Support | Parameter Group |
|---------------------------|------------------------|-------|----------|-------------|-----|------------|-------|---|----------------------------|--------------------------|
| | | | | Min | Max | | | | | |
| 183 | Drive Recognize | 1 | Unsigned | 0 | 3 | - | - | Parameter shall indicate the state of work of driver 1, i.e. activity currently selected on the recording unit for the driver. 0 - Rest; 1 - Driver available | FMB640 EMC640 EMM640 | Tachograph data elements |
| 184 | Driver 1 Working State | 1 | Unsigned | 0 | 7 | - | - | 2 - Work; 3 - Drive; 6 - Error; 7 - Not available. | FMB640 EMC640 EMM640 | Tachograph data elements |
| 185 | Driver 2 Working State | 1 | Unsigned | 0 | 7 | - | - | Parameter shall indicate the state of work of driver 2, i.e. activity currently selected on the recording unit for the driver. 0 - Rest; 1 - Driver available | FMB640 EMC640 EMM640 | Tachograph data elements |
| 186 | Tachograph Over Speed | 1 | Unsigned | 0 | 3 | - | - | 2 - Work; 3 - Drive; 6 - Error; 7 - Not available. | FMB640 EMC640 EMM640 | Tachograph data elements |
| 187 | Driver 1 Card Presence | 1 | Unsigned | 0 | 3 | - | - | | FMB640 EMC640 EMM640 | Tachograph data elements |
| 188 | Driver 2 Card Presence | 1 | Unsigned | 0 | 3 | - | - | | FMB640 EMC640 EMM640 | Tachograph data elements |

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|-------|--|---|----------|---|----------------|---|-----------|--|----------------------------|--------------------------|
| 189 | Driver 1 Time Related States | 1 | Unsigned | 0 | 15 | - | - | 0 - normal; 1 - 15 min before 4.5h; 2 - 4.5h reached; 3 - 15 min before 9h; 4 - 9 h reached; 5 - 15 min before 16h; 6 - 16h reached; 7 - weekly driving time pre-warning active; 8 - weekly driving time warning active; 9 - 2 weeks driving time pre-warning active; 10 - 2 weeks driving time warning active; 11 - driver 1 card expiry warning active; 12 - next mandatory driver 1 card download warning active; 13 - Other; 14 - Error; 15 - Not available.. | FMB640 FMC640 FMM640 | Tachograph data elements |
| 190 | Driver 2 Time Related States | 1 | Unsigned | 0 | 15 | - | - | 0 - normal; 1 - 15 min before 4.5h; 2 - 4.5h reached; 3 - 15 min before 9h; 4 - 9 h reached; 5 - 15 min before 16h; 6 - 16h reached; 7 - weekly driving time pre-warning active; 8 - weekly driving time warning active; 9 - 2 weeks driving time pre-warning active; 10 - 2 weeks driving time warning active; 11 - driver 2 card expiry warning active; 12 - next mandatory driver 2 card download warning active; 13 - Other; 14 - Error; 15 - Not available.. | FMB640 FMC640 FMM640 | Tachograph data elements |
| 191 | Vehicle Speed | 2 | Unsigned | 0 | 65535 | - | km/h | | FMB640 FMC640 FMM640 | Tachograph data elements |
| 192 | Odometer | 4 | Unsigned | 0 | 4294967295 | - | m | Total vehicle distance | FMB640 FMC640 FMM640 | Tachograph data elements |
| 193 | Trip Distance | 4 | Unsigned | 0 | 4294967295 | - | m | Current vehicle distance | FMB640 FMC640 FMM640 | Tachograph data elements |
| 194 | Timestamp | 4 | Unsigned | 0 | 4294967295 | - | - | How to read Timestamp | FMB640 FMC640 FMM640 | Tachograph data elements |
| 231 | Vehicle Registration Number Part1 | 8 | Unsigned | 0 | 0xffffffffffff | - | - | ASCII bytes | FMB640 FMC640 FMM640 | Tachograph data elements |
| 232 | Vehicle Registration Number Part2 | 8 | Unsigned | 0 | 0xffffffffffff | - | - | ASCII bytes | FMB640 FMC640 FMM640 | Tachograph data elements |
| 233 | Vehicle Identification Number Part1 | 8 | Unsigned | 0 | 0xffffffffffff | - | - | ASCII bytes | FMB640 FMC640 FMM640 | Tachograph data elements |
| 234 | Vehicle Identification Number Part2 | 8 | Unsigned | 0 | 0xffffffffffff | - | - | ASCII bytes | FMB640 FMC640 FMM640 | Tachograph data elements |
| 235 | Vehicle Identification Number Part3 | 1 | Unsigned | 0 | 0xff | - | - | ASCII bytes | FMB640 FMC640 FMM640 | Tachograph data elements |
| 222 | Card 1 Issuing Member State | 1 | Unsigned | 0 | 255 | - | - | NationNumeric as described in EEC 3821_85 | FMB640 FMC640 FMM640 | Tachograph data elements |
| 223 | Card 2 Issuing Member State | 1 | Unsigned | 0 | 255 | - | - | NationNumeric as described in EEC 3821_85 | FMB640 FMC640 FMM640 | Tachograph data elements |
| 195 | Driver 1 ID MSB | 8 | Unsigned | 0 | 0xffffffffffff | - | - | How to read Driver ID | FMB640 FMC640 FMM640 | Tachograph data elements |
| 196 | Driver 1 ID LSB | 8 | Unsigned | 0 | 0xffffffffffff | - | - | How to read Driver ID | FMB640 FMC640 FMM640 | Tachograph data elements |
| 197 | Driver 2 ID MSB | 8 | Unsigned | 0 | 0xffffffffffff | - | - | How to read Driver ID | FMB640 FMC640 FMM640 | Tachograph data elements |
| 198 | Driver 2 ID LSB | 8 | Unsigned | 0 | 0xffffffffffff | - | - | How to read Driver ID | FMB640 FMC640 FMM640 | Tachograph data elements |
| 56 | Driver 1 Continuous Driving Time | 2 | Unsigned | 0 | 0xffff | - | Minutes | This parameter shall be computed as the current accumulated driving times of a particular drive. | FMB640 FMC640 FMM640 | Tachograph data elements |
| 57 | Driver 2 Continuous Driving Time | 2 | Unsigned | 0 | 0xffff | - | Minutes | This parameter shall be defined as Driver 2 continuous driving time. | FMB640 FMC640 FMM640 | Tachograph data elements |
| 58 | Driver 1 Cumulative Break Time | 2 | Unsigned | 0 | 0xffff | - | Minutes | This parameter shall indicate the uninterrupted break time for driver 1 as defined by legal regulation. | FMB640 FMC640 FMM640 | Tachograph data elements |
| 59 | Driver 2 Cumulative Break Time | 2 | Unsigned | 0 | 0xffff | - | Minutes | This parameter shall indicate the uninterrupted break time for driver 2 as defined by legal regulation. | FMB640 FMC640 FMM640 | Tachograph data elements |
| 60 | Driver 1 Selected Activity Duration | 2 | Unsigned | 0 | 0xffff | - | Minutes | Parameter shall indicate the current duration of the selected activity, since selected and which may be the current driving period, availability period, rest period or work period. | FMB640 FMC640 FMM640 | Tachograph data elements |
| 61 | Driver 2 Selected Activity Duration | 2 | Unsigned | 0 | 0xffff | - | Minutes | Parameter shall indicate the current duration of the selected activity, since selected and which may be the current driving period, availability period, rest period or work period. | FMB640 FMC640 FMM640 | Tachograph data elements |
| 69 | Driver 1 Cumulative Driving Time | 2 | Unsigned | 0 | 0xffff | - | Minutes | Parameter shall be computed as the current accumulated driving times of driver 1 (driver), for the previous and the current week. | FMB640 FMC640 FMM640 | Tachograph data elements |
| 77 | Driver 2 Cumulative Driving Time | 2 | Unsigned | 0 | 0xffff | - | Minutes | Parameter shall be computed as the current accumulated driving times of driver 2 (driver), for the previous and the current week. | FMB640 FMC640 FMM640 | Tachograph data elements |
| 48 | Tacho Data Source | 1 | Unsigned | 0 | 4 | - | - | As possible select different sources from which tacho data will be readed, this parameter indicate from which source data is read. 0 - Unknown (data is not available); 1 - K-Line; 2 - ALL-CAN300; 3 - TachoCAN; 4 - FMS. | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10501 | Drivers hours rules pre warning time delay | 1 | Unsigned | 0 | 255 | - | Minutes | This parameter shall be the time delay between a pre-warning and the associated warning for daily driving time, weekly driving time, two weeks driving time, and time to start daily/weekly rest period Operating range 15-60 min | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10502 | Out Of Scope Condition | 1 | Unsigned | 0 | 255 | - | - | This parameter shall be used to indicate whether an out of scope specific condition is currently open. Value: 00 – no out of scope condition opened; 01 – out of scope condition opened. | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10503 | Next Calibration Date | 4 | Unsigned | 0 | 4294967295 | - | Timestamp | This parameter shall be used to indicate next mandatory calibration date of the tachograph and shall be carried out by the authorized inspection authority. Value: Byte 1 – month; Byte 2 – day; Byte 3 – year How to parse Next Calibration Date | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10504 | Driver 1 end of last daily rest report | 4 | Unsigned | 0 | 4294967295 | - | Timestamp | This parameter shall be the end of the last daily rest period of driver 1, as computed by the tachograph using driver 1 card data. How to read Timestamp | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10505 | Driver 1 end of last weekly rest period | 4 | Unsigned | 0 | 4294967295 | - | Timestamp | This parameter shall be the end of the last weekly rest period of driver 1, as computed by the tachograph using driver 1 card data. How to read Timestamp | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10506 | Driver 1 end of second last weekly rest period | 4 | Unsigned | 0 | 4294967295 | - | Timestamp | This parameter shall be the end of the second last weekly rest period of driver 1, as computed by the tachograph using driver 1 card data. How to read Timestamp | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10507 | Driver 1 current daily driving time | 2 | Unsigned | 0 | 65535 | - | Minutes | This parameter shall be the current daily driving time of driver 1, as computed by the tachograph using driver 1 card data. | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10508 | Driver 1 current weekly driving time | 2 | Unsigned | 0 | 65535 | - | Minutes | This parameter shall be the current weekly driving time of driver 1, as computed by the tachograph using driver 1 card data. | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10509 | Driver 1 time left until new daily rest period | 2 | Unsigned | 0 | 65535 | - | Minutes | This parameter shall be the calendar time left until driver 1 shall start a new daily rest period. | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10510 | Driver 1 number of times 9h daily driving time exceeds | 1 | Unsigned | 0 | 255 | - | - | This parameter shall be the number of times the driver exceeded 9 h daily driving time in the current week. Value: 0 times to 13 times. | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10511 | Driver 2 end of last daily rest report | 4 | Unsigned | 0 | 4294967295 | - | Timestamp | This parameter shall be the end of the last daily rest period of driver 2, as computed by the tachograph using driver 2 card data. How to read Timestamp | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10512 | Driver 2 end of last weekly rest period | 4 | Unsigned | 0 | 4294967295 | - | Timestamp | This parameter shall be the end of the last weekly rest period of driver 2, as computed by the tachograph using driver 2 card data. How to read Timestamp | FMB640 FMC640 FMM640 | Tachograph data elements |

| | | | | | | | | | | |
|-------|--|----|----------|---|------------|---|-------------|---|----------------------------|--------------------------|
| 10513 | Driver 2 end of second last weekly rest period | 4 | Unsigned | 0 | 4294967295 | - | Timestamp | This parameter shall be the end of the second last weekly rest period of driver 2, as computed by the tachograph using driver 2 card data. | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10514 | Driver 2 current daily driving time | 2 | Unsigned | 0 | 65535 | - | Minutes | This parameter shall be the current daily driving time of driver 2, as computed by the tachograph using driver 2 card data. | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10515 | Driver 2 current weekly driving time | 2 | Unsigned | 0 | 65535 | - | Minutes | This parameter shall be the current weekly driving time of driver 2, as computed by the tachograph using driver 2 card data. | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10516 | Driver 2 time left until new daily rest period | 2 | Unsigned | 0 | 65535 | - | Minutes | This parameter shall be the calendar time left until driver 2 shall start a new daily rest period. | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10517 | Driver 2 number of times 9h daily driving time exceeds | 1 | Unsigned | 0 | 255 | - | - | This parameter shall be the number of times the driver exceeded 9 h daily driving time in the current week. Value: 0 times to 13 times. | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10518 | Driver 1 Name | 36 | ASCII | 0 | 36 | - | - | Driver1 Name (FirstByte - Coding ISO/IEC 8859) | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10519 | Driver 1 SurName | 36 | ASCII | 0 | 36 | - | - | Driver1 SurName (FirstByte - Coding ISO/IEC 8859) | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10520 | Driver 2 Name | 36 | ASCII | 0 | 36 | - | - | Driver2 Name (FirstByte - Coding ISO/IEC 8859) | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10521 | Driver 2 SurName | 36 | ASCII | 0 | 36 | - | - | Driver2 SurName (FirstByte - Coding ISO/IEC 8859) | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10522 | Driver 1 Time Left Until New Weekly Rest Period | 2 | Unsigned | 0 | 65535 | - | Minutes | This parameter shall be the calendar time left until driver 1 shall start a new weekly rest period. | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10523 | Driver 2 Time Left Until New Weekly Rest Period | 2 | Unsigned | 0 | 65535 | - | Minutes | This parameter shall be the calendar time left until driver 2 shall start a new weekly rest period. | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10524 | Driver 1 Minimum Daily Rest | 2 | Unsigned | 0 | 65535 | - | Minutes | This parameter shall be the minimum daily rest the driver 1 needs to do to fulfil an on-going or approaching daily rest period | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10525 | Driver 2 Minimum Daily Rest | 2 | Unsigned | 0 | 65535 | - | Minutes | This parameter shall be the minimum daily rest the driver 2 needs to do to fulfil an on-going or approaching daily rest period | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10526 | Driver 1 Minimum Weekly Rest | 2 | Unsigned | 0 | 65535 | - | Minutes | This parameter shall be the minimum weekly rest the driver 1 needs to do to regular or reduced weekly rest period plus compensation hours, if any. | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10527 | Driver 2 Minimum Weekly Rest | 2 | Unsigned | 0 | 65535 | - | Minutes | This parameter shall be the minimum weekly rest the driver 2 needs to do to fulfil an on-going or approaching weekly rest period. It shall be set to regular or reduced weekly rest period plus compensation hours, if any. | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10528 | Driver 1 Duration Of Next Break Rest | 2 | Unsigned | 0 | 65535 | - | Minutes | This parameter shall be set to the minimum duration of next break/rest for driver 1 | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10529 | Driver 2 Duration Of Next Break Rest | 2 | Unsigned | 0 | 65535 | - | Minutes | This parameter shall be set to the minimum duration of next break/rest for driver 2 | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10530 | Driver 1 Remaining Time Until Next Break Or Rest | 2 | Unsigned | 0 | 65535 | - | Minutes | This parameter shall be set to the remaining time until next rest or break period for driver 1 | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10531 | Driver 2 Remaining Time Until Next Break Or Rest | 2 | Unsigned | 0 | 65535 | - | Minutes | This parameter shall be set to the remaining time until next rest or break period for driver 2 | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10532 | Driver 1 Remaining Current Driving Time | 2 | Unsigned | 0 | 65535 | - | Minutes | Defined in minutes for the remaining of current driving time | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10533 | Driver 1 Remaining Driving Time On Current Shift | 2 | Unsigned | 0 | 65535 | - | Minutes | Defined in minutes for driving time on current driver shift | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10534 | Driver 1 Remaining Driving Time Of Current Week | 2 | Unsigned | 0 | 65535 | - | Minutes | Defined in minutes for the remaining driving time of current week | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10535 | Driver 1 Open Compensation In The Last Week | 2 | Unsigned | 0 | 65535 | - | Minutes | Defined in minutes for the open compensations in the last week | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10536 | Driver 1 Open Compensation In Week Before Last | 2 | Unsigned | 0 | 65535 | - | Minutes | Defined in minutes for the open compensation in the week before last | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10537 | Driver 1 Open Compensation In 2nd Week Before Last | 2 | Unsigned | 0 | 65535 | - | Minutes | Defined in minutes for the open compensation in second week before last | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10538 | Driver 1 Additional Information | 2 | Unsigned | 0 | 65535 | - | Bit encoded | Defined in bits which is additional diagnostic data records from tachograph. VDO Counter: Bit Encoded Parsing | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10539 | Driver 1 Remaining Time Of Current Break Rest | 2 | Unsigned | 0 | 65535 | - | Minutes | Defined in minutes how much time left till current break/rest | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10540 | Driver 1 Time Left Until Next Driving Period | 2 | Unsigned | 0 | 65535 | - | Minutes | Defined in minutes for time left until next driving period | FMB640 FMC640 FMM640 | Tachograph data elements |
| 10541 | Driver 1 Duration Of Next Driving Period | 2 | Unsigned | 0 | 65535 | - | Minutes | Defined in minutes for time duration of the next driving period | FMB640 FMC640 FMM640 | Tachograph data elements |

Cameras/Video

| Property ID in ASN packet | Property Name | Bytes | Type | Value range | | Multiplier | Units | Description | HW Support | Parameter Group |
|---------------------------|--|-------|----------|-------------|-----|------------|-------|--|----------------------------|-----------------|
| | | | | Min | Max | | | | | |
| 288 | ME Speed Type | 1 | Unsigned | 0 | 7 | - | - | 0 - Silent; 1 - LWD Left; 2 - LWD Right; 3 - IIR; 4 - TSR; 5 - LRCG; 6 - PCW = PCW; 7 - Push in danger zone (if enabled). | FMB640 FMC640 FMM640 | Camera/Video |
| 289 | ME Pedestrian in Danger Zone | 1 | Unsigned | 0 | 1 | - | - | 0 - Pedestrian not in danger zone; 1 - Pedestrian in danger zone. | FMB640 FMC640 FMM640 | Camera/Video |
| 290 | ME Pedestrian in Forward Collision Warning | 1 | Unsigned | 0 | 1 | - | - | 0 - No forward collision warning; 1 - Forward collision warning. | FMB640 FMC640 FMM640 | Camera/Video |
| 291 | ME Time Indicator | 1 | Unsigned | 0 | 2 | - | - | 0 - Day is indicated; 1 - Break is indicated; 2 - Night is indicated. | FMB640 FMC640 FMM640 | Camera/Video |
| 292 | ME Error Valid | 1 | Unsigned | 0 | 1 | - | - | 0 - Error; 1 - No error. | FMB640 FMC640 FMM640 | Camera/Video |
| 293 | ME Error Code | 1 | Unsigned | 0 | 127 | - | - | Error code. | FMB640 FMC640 FMM640 | Camera/Video |
| 294 | ME Zero Speed | 1 | Unsigned | 0 | 1 | - | - | 0 - Host vehicle is moving; 1 - Host vehicle is stopped. | FMB640 FMC640 FMM640 | Camera/Video |
| 295 | ME Headway Valid | 1 | Unsigned | 0 | 1 | - | - | 0 - Headway Valid is off; 1 - Headway Valid is on (when CIPV is detected). | FMB640 FMC640 FMM640 | Camera/Video |
| 296 | ME Headway Measurement | 1 | Unsigned | 0 | 9.9 | 0.1 | - | Seconds | FMB640 FMC640 FMM640 | Camera/Video |
| 297 | ME LDW Off | 1 | Unsigned | 0 | 1 | - | - | 0 - LDW are enabled; 1 - LDW are disabled. | FMB640 FMC640 FMM640 | Camera/Video |
| 298 | ME Left LDW On | 1 | Unsigned | 0 | 1 | - | - | 0 - Left LDW are enabled; 1 - Left LDW are disabled. | FMB640 FMC640 FMM640 | Camera/Video |
| 299 | ME Right LDW On | 1 | Unsigned | 0 | 1 | - | - | 0 - Right LDW are enabled; 1 - Right LDW are disabled. | FMB640 FMC640 FMM640 | Camera/Video |
| 300 | ME Maintenance | 1 | Unsigned | 0 | 1 | - | - | 0 - Internal error is not detected; 1 - Internal error is detected. | FMB640 FMC640 FMM640 | Camera/Video |
| 301 | ME Full Safe | 1 | Unsigned | 0 | 1 | - | - | 0 - Full Safe indicator is off; 1 - Full Safe indicator (red) is on (blat image, saturated image, low sun, partial blockage, partial transparent). | FMB640 FMC640 FMM640 | Camera/Video |
| 302 | ME PCW On | 1 | Unsigned | 0 | 1 | - | - | 0 - PCW are disabled; 1 - PCW are enabled. | FMB640 FMC640 FMM640 | Camera/Video |
| 303 | ME TSR Enabled | 1 | Unsigned | 0 | 1 | - | - | 0 - TSR feature is disabled; 1 - TSR feature is enabled. | FMB640 FMC640 FMM640 | Camera/Video |
| 304 | ME Headway Warning Request Enabled | 1 | Unsigned | 0 | 1 | - | - | 0 - Headway Warning Request is disabled; 1 - Headway Warning Request is enabled. | FMB640 FMC640 FMM640 | Camera/Video |
| 305 | ME Headway Warning Level | 1 | Unsigned | 0 | 2 | - | - | 0 - No CIPV is present; 1 - A CIPV is present with HW = HW Config; 2 - A CIPV is present with HW = HW Config or HW = 0.6. | FMB640 FMC640 FMM640 | Camera/Video |
| 306 | ME TSR Warning Level | 1 | Unsigned | 0 | 7 | - | - | 0 - Speed <= Road Speed - 1 - Speed = Road Speed + 10-15 km/h; 2 - Speed > Road Speed + 10-15 km/h; 3 - Speed > Road Speed + 10-15 km/h; 4 - Speed > Road Speed + 10-15 km/h; 5 - Speed > Road Speed + 10-15 km/h; 6 - Speed > Road Speed + 10-15 km/h; 7 - Speed > Road Speed + 10-15 km/h and > 30 km/h. | FMB640 FMC640 FMM640 | Camera/Video |
| 307 | ME Tamper Alert | 1 | Unsigned | 0 | 1 | - | - | 0 - No tamper alert; 1 - Tamper alert. | FMB640 FMC640 FMM640 | Camera/Video |
| 308 | ME High Beams | 1 | Unsigned | 0 | 1 | - | - | 0 - OE; 1 - On. | FMB640 FMC640 FMM640 | Camera/Video |
| 309 | ME Low Beams | 1 | Unsigned | 0 | 1 | - | - | 0 - OE; 1 - On. | FMB640 FMC640 FMM640 | Camera/Video |
| 310 | ME Wipers | 1 | Unsigned | 0 | 1 | - | - | 0 - OE; 1 - On. | FMB640 FMC640 FMM640 | Camera/Video |

| | | | | | | | | | | | |
|-------|--------------------|---|-----|---|------|---|----|-----|--|----------------------------|------|
| 10197 | Tim 6 pressure | 1 | HEX | 0 | 0xFF | - | | kPa | | FMB640 FMC640 FMM640 | TPMS |
| 10198 | Tim 7 pressure | 1 | HEX | 0 | 0xFF | - | | kPa | | FMB640 FMC640 FMM640 | TPMS |
| 10199 | Tim 8 pressure | 1 | HEX | 0 | 0xFF | - | | kPa | | FMB640 FMC640 FMM640 | TPMS |
| 10200 | Tim 9 pressure | 1 | HEX | 0 | 0xFF | - | | kPa | | FMB640 FMC640 FMM640 | TPMS |
| 10201 | Tim 10 pressure | 1 | HEX | 0 | 0xFF | - | | kPa | | FMB640 FMC640 FMM640 | TPMS |
| 10202 | Tim 11 pressure | 1 | HEX | 0 | 0xFF | - | | kPa | | FMB640 FMC640 FMM640 | TPMS |
| 10203 | Tim 12 pressure | 1 | HEX | 0 | 0xFF | - | | kPa | | FMB640 FMC640 FMM640 | TPMS |
| 10204 | Tim 13 pressure | 1 | HEX | 0 | 0xFF | - | | kPa | | FMB640 FMC640 FMM640 | TPMS |
| 10205 | Tim 14 pressure | 1 | HEX | 0 | 0xFF | - | | kPa | | FMB640 FMC640 FMM640 | TPMS |
| 10206 | Tim 15 pressure | 1 | HEX | 0 | 0xFF | - | | kPa | | FMB640 FMC640 FMM640 | TPMS |
| 10207 | Tim 16 pressure | 1 | HEX | 0 | 0xFF | - | | kPa | | FMB640 FMC640 FMM640 | TPMS |
| 10208 | Tim 17 pressure | 1 | HEX | 0 | 0xFF | - | | kPa | | FMB640 FMC640 FMM640 | TPMS |
| 10209 | Tim 18 pressure | 1 | HEX | 0 | 0xFF | - | | kPa | | FMB640 FMC640 FMM640 | TPMS |
| 10210 | Tim 19 pressure | 1 | HEX | 0 | 0xFF | - | | kPa | | FMB640 FMC640 FMM640 | TPMS |
| 10211 | Tim 20 pressure | 1 | HEX | 0 | 0xFF | - | | kPa | | FMB640 FMC640 FMM640 | TPMS |
| 10212 | Tim 21 pressure | 1 | HEX | 0 | 0xFF | - | | kPa | | FMB640 FMC640 FMM640 | TPMS |
| 10213 | Tim 22 pressure | 1 | HEX | 0 | 0xFF | - | | kPa | | FMB640 FMC640 FMM640 | TPMS |
| 10214 | Tim 23 pressure | 1 | HEX | 0 | 0xFF | - | | kPa | | FMB640 FMC640 FMM640 | TPMS |
| 10215 | Tim 24 pressure | 1 | HEX | 0 | 0xFF | - | | kPa | | FMB640 FMC640 FMM640 | TPMS |
| 10300 | Tim 1 Temperature | 1 | HEX | 0 | 0xFF | - | °C | | | FMB640 FMC640 FMM640 | TPMS |
| 10301 | Tim 1 Warning | 1 | HEX | 0 | 0xFF | - | | | | FMB640 FMC640 FMM640 | TPMS |
| 10302 | Tim 2 Temperature | 1 | HEX | 0 | 0xFF | - | °C | | | FMB640 FMC640 FMM640 | TPMS |
| 10303 | Tim 2 Warning | 1 | HEX | 0 | 0xFF | - | | | | FMB640 FMC640 FMM640 | TPMS |
| 10304 | Tim 3 Temperature | 1 | HEX | 0 | 0xFF | - | °C | | | FMB640 FMC640 FMM640 | TPMS |
| 10305 | Tim 3 Warning | 1 | HEX | 0 | 0xFF | - | | | | FMB640 FMC640 FMM640 | TPMS |
| 10306 | Tim 4 Temperature | 1 | HEX | 0 | 0xFF | - | °C | | | FMB640 FMC640 FMM640 | TPMS |
| 10307 | Tim 4 Warning | 1 | HEX | 0 | 0xFF | - | | | | FMB640 FMC640 FMM640 | TPMS |
| 10308 | Tim 5 Temperature | 1 | HEX | 0 | 0xFF | - | °C | | | FMB640 FMC640 FMM640 | TPMS |
| 10309 | Tim 5 Warning | 1 | HEX | 0 | 0xFF | - | | | | FMB640 FMC640 FMM640 | TPMS |
| 10310 | Tim 6 Temperature | 1 | HEX | 0 | 0xFF | - | °C | | | FMB640 FMC640 FMM640 | TPMS |
| 10311 | Tim 6 Warning | 1 | HEX | 0 | 0xFF | - | | | | FMB640 FMC640 FMM640 | TPMS |
| 10312 | Tim 7 Temperature | 1 | HEX | 0 | 0xFF | - | °C | | | FMB640 FMC640 FMM640 | TPMS |
| 10313 | Tim 7 Warning | 1 | HEX | 0 | 0xFF | - | | | | FMB640 FMC640 FMM640 | TPMS |
| 10314 | Tim 8 Temperature | 1 | HEX | 0 | 0xFF | - | °C | | | FMB640 FMC640 FMM640 | TPMS |
| 10315 | Tim 8 Warning | 1 | HEX | 0 | 0xFF | - | | | | FMB640 FMC640 FMM640 | TPMS |
| 10316 | Tim 9 Temperature | 1 | HEX | 0 | 0xFF | - | °C | | | FMB640 FMC640 FMM640 | TPMS |
| 10317 | Tim 9 Warning | 1 | HEX | 0 | 0xFF | - | | | | FMB640 FMC640 FMM640 | TPMS |
| 10318 | Tim 10 Temperature | 1 | HEX | 0 | 0xFF | - | °C | | | FMB640 FMC640 FMM640 | TPMS |
| 10319 | Tim 10 Warning | 1 | HEX | 0 | 0xFF | - | | | | FMB640 FMC640 FMM640 | TPMS |
| 10320 | Tim 11 Temperature | 1 | HEX | 0 | 0xFF | - | °C | | | FMB640 FMC640 FMM640 | TPMS |
| 10321 | Tim 11 Warning | 1 | HEX | 0 | 0xFF | - | | | | FMB640 FMC640 FMM640 | TPMS |
| 10322 | Tim 12 Temperature | 1 | HEX | 0 | 0xFF | - | °C | | | FMB640 FMC640 FMM640 | TPMS |
| 10323 | Tim 12 Warning | 1 | HEX | 0 | 0xFF | - | | | | FMB640 FMC640 FMM640 | TPMS |
| 10324 | Tim 13 Temperature | 1 | HEX | 0 | 0xFF | - | °C | | | FMB640 FMC640 FMM640 | TPMS |
| 10325 | Tim 13 Warning | 1 | HEX | 0 | 0xFF | - | | | | FMB640 FMC640 FMM640 | TPMS |
| 10326 | Tim 14 Temperature | 1 | HEX | 0 | 0xFF | - | °C | | | FMB640 FMC640 FMM640 | TPMS |
| 10327 | Tim 14 Warning | 1 | HEX | 0 | 0xFF | - | | | | FMB640 FMC640 FMM640 | TPMS |
| 10328 | Tim 15 Temperature | 1 | HEX | 0 | 0xFF | - | °C | | | FMB640 FMC640 FMM640 | TPMS |
| 10329 | Tim 15 Warning | 1 | HEX | 0 | 0xFF | - | | | | FMB640 FMC640 FMM640 | TPMS |
| 10330 | Tim 16 Temperature | 1 | HEX | 0 | 0xFF | - | °C | | | FMB640 FMC640 FMM640 | TPMS |
| 10331 | Tim 16 Warning | 1 | HEX | 0 | 0xFF | - | | | | FMB640 FMC640 FMM640 | TPMS |
| 10332 | Tim 17 Temperature | 1 | HEX | 0 | 0xFF | - | °C | | | FMB640 FMC640 FMM640 | TPMS |
| 10333 | Tim 17 Warning | 1 | HEX | 0 | 0xFF | - | | | | FMB640 FMC640 FMM640 | TPMS |
| 10334 | Tim 18 Temperature | 1 | HEX | 0 | 0xFF | - | °C | | | FMB640 FMC640 FMM640 | TPMS |
| 10335 | Tim 18 Warning | 1 | HEX | 0 | 0xFF | - | | | | FMB640 FMC640 FMM640 | TPMS |
| 10336 | Tim 19 Temperature | 1 | HEX | 0 | 0xFF | - | °C | | | FMB640 FMC640 FMM640 | TPMS |
| 10337 | Tim 19 Warning | 1 | HEX | 0 | 0xFF | - | | | | FMB640 FMC640 FMM640 | TPMS |
| 10338 | Tim 20 Temperature | 1 | HEX | 0 | 0xFF | - | °C | | | FMB640 FMC640 FMM640 | TPMS |
| 10339 | Tim 20 Warning | 1 | HEX | 0 | 0xFF | - | | | | FMB640 FMC640 FMM640 | TPMS |
| 10400 | Tim 21 Temperature | 1 | HEX | 0 | 0xFF | - | °C | | | FMB640 FMC640 FMM640 | TPMS |
| 10401 | Tim 21 Warning | 1 | HEX | 0 | 0xFF | - | | | | FMB640 FMC640 FMM640 | TPMS |
| 10402 | Tim 22 Temperature | 1 | HEX | 0 | 0xFF | - | °C | | | FMB640 FMC640 FMM640 | TPMS |
| 10403 | Tim 22 Warning | 1 | HEX | 0 | 0xFF | - | | | | FMB640 FMC640 FMM640 | TPMS |
| 10404 | Tim 23 Temperature | 1 | HEX | 0 | 0xFF | - | °C | | | FMB640 FMC640 FMM640 | TPMS |
| 10405 | Tim 23 Warning | 1 | HEX | 0 | 0xFF | - | | | | FMB640 FMC640 FMM640 | TPMS |
| 10406 | Tim 24 Temperature | 1 | HEX | 0 | 0xFF | - | °C | | | FMB640 FMC640 FMM640 | TPMS |
| 10407 | Tim 24 Warning | 1 | HEX | 0 | 0xFF | - | | | | FMB640 FMC640 FMM640 | TPMS |

Reefer IO

| Property ID in AVL packet | Property Name | Bytes | Type | Value range | | Multiplier | Units | Description | HW Support | Parameter Group |
|---------------------------|----------------------------|-------|----------|-------------|-------|------------|-------|-------------------|----------------------------|-----------------|
| | | | | Min | Max | | | | | |
| 10045 | Zone 1 Compartment state | 1 | Unsigned | 0 | 15 | - | - | Compartment state | FMB640 FMC640 FMM640 | Reefer IO |
| 10046 | Zone 1 Compartment mode | 1 | Unsigned | 0 | 255 | - | - | Compartment mode | FMB640 FMC640 FMM640 | Reefer IO |
| 10047 | Zone 1 Return Air Sensor 1 | 2 | Signed | -32768 | 32767 | 0,1 | °C | Degrees, °C | FMB640 FMC640 FMM640 | Reefer IO |
| 10048 | Zone 1 Supply Air Sensor 1 | 2 | Signed | -32768 | 32767 | 0,1 | °C | Degrees, °C | FMB640 FMC640 FMM640 | Reefer IO |

| | | | | | | | | | | |
|-------|--------------------------------|----|----------|--------|------------|-----|---------------------|--|----------------------------|---------------------|
| 10049 | Zone 1 Set Temperature | 2 | Signed | -32768 | 32767 | 0,1 | °C | Degrees, °C | FMB640 EMC640 EMM640 | Reefer IO |
| 10050 | Zone 1 Evaporator temperature | 2 | Signed | -32768 | 32767 | 0,1 | °C | Degrees, °C | FMB640 EMC640 EMM640 | Reefer IO |
| 10051 | Zone 1 Return Air Sensor 2 | 2 | Signed | -32768 | 32767 | 0,1 | °C | Degrees, °C | FMB640 EMC640 EMM640 | Reefer IO |
| 10052 | Zone 1 Supply Air Sensor 2 | 2 | Signed | -32768 | 32767 | 0,1 | °C | Degrees, °C | FMB640 EMC640 EMM640 | Reefer IO |
| 10056 | Zone 2 Return Air Sensor 1 | 2 | Signed | -32768 | 32767 | 0,1 | °C | Degrees, °C | FMB640 EMC640 EMM640 | Reefer IO |
| 10057 | Zone 2 Supply Air Sensor 1 | 2 | Signed | -32768 | 32767 | 0,1 | °C | Degrees, °C | FMB640 EMC640 EMM640 | Reefer IO |
| 10058 | Zone 2 Set Temperature | 2 | Signed | -32768 | 32767 | 0,1 | °C | Degrees, °C | FMB640 EMC640 EMM640 | Reefer IO |
| 10059 | Zone 2 Evaporator temperature | 2 | Signed | -32768 | 32767 | 0,1 | °C | Degrees, °C | FMB640 EMC640 EMM640 | Reefer IO |
| 10060 | Zone 2 Return Air sensor 2 | 2 | Signed | -32768 | 32767 | 0,1 | °C | Degrees, °C | FMB640 EMC640 EMM640 | Reefer IO |
| 10061 | Zone 2 Supply Air sensor 2 | 2 | Signed | -32768 | 32767 | 0,1 | °C | Degrees, °C | FMB640 EMC640 EMM640 | Reefer IO |
| 10063 | Zone 3 Compartment state | 1 | Unsigned | 0 | 15 | - | - | Compartment state | FMB640 EMC640 EMM640 | Reefer IO |
| 10064 | Zone 3 Compartment mode | 1 | Unsigned | 0 | 255 | - | - | Compartment mode | FMB640 EMC640 EMM640 | Reefer IO |
| 10065 | Zone 3 Return Air sensor 1 | 2 | Signed | -32768 | 32767 | 0,1 | °C | Degrees, °C | FMB640 EMC640 EMM640 | Reefer IO |
| 10066 | Zone 3 Supply Air sensor 1 | 2 | Signed | -32768 | 32767 | 0,1 | °C | Degrees, °C | FMB640 EMC640 EMM640 | Reefer IO |
| 10067 | Zone 3 Set Temperature | 2 | Signed | -32768 | 32767 | 0,1 | °C | Degrees, °C | FMB640 EMC640 EMM640 | Reefer IO |
| 10068 | Zone 3 Evaporator temperature | 2 | Signed | -32768 | 32767 | 0,1 | °C | Degrees, °C | FMB640 EMC640 EMM640 | Reefer IO |
| 10069 | Zone 3 Return Air sensor 2 | 2 | Signed | -32768 | 32767 | 0,1 | °C | Degrees, °C | FMB640 EMC640 EMM640 | Reefer IO |
| 10070 | Zone 3 Supply Air sensor 2 | 2 | Signed | -32768 | 32767 | 0,1 | °C | Supply Air sensor 2 | FMB640 EMC640 EMM640 | Reefer IO |
| 10071 | Zone 3 Operating Mode | 1 | Unsigned | 0 | 7 | - | - | Speed mode | FMB640 EMC640 EMM640 | Reefer IO |
| 10350 | Ambient Air Temperature | 2 | Signed | -18382 | 18026 | 0,1 | °C | Ambient Air Temperature | FMB640 EMC640 EMM640 | Reefer IO |
| 10351 | Compressor Coolant Temperature | 2 | Signed | -18382 | 18026 | 0,1 | °C | Compressor Coolant Temperature in celsius degrees multiplied by 10 | FMB640 EMC640 EMM640 | Reefer IO |
| 10353 | Compressor Config | 2 | Unsigned | 0 | 20000 | - | - | RPM | FMB640 EMC640 EMM640 | Reefer IO |
| 10356 | Installation Serial | 8 | Unsigned | 0 | 0xffffffff | - | String | Fridge Installation Serial String | FMB640 EMC640 EMM640 | Reefer IO |
| 10468 | Analog Input 1 | 2 | Unsigned | 0 | 0xffff | - | V | Analog Input 1 | FMB640 EMC640 EMM640 | Reefer IO |
| 10469 | Analog Input 2 | 2 | Unsigned | 0 | 0xffff | - | V | Analog Input 2 | FMB640 EMC640 EMM640 | Reefer IO |
| 10470 | Analog Input 3 | 2 | Unsigned | 0 | 0xffff | - | V | Analog Input 3 | FMB640 EMC640 EMM640 | Reefer IO |
| 10472 | Manufacturer ID | 1 | Unsigned | 0 | 0xff | - | - | Fridge ID | FMB640 EMC640 EMM640 | Reefer IO |
| 10473 | Battery State Flags | 1 | Unsigned | 0 | 0xff | - | enum (bit field) | Battery Flags bit0-Available bit1-Error bit2-Alarm bit3-DigitalSensor | FMB640 EMC640 EMM640 | Reefer IO |
| 10474 | Fuel state flags | 1 | Unsigned | 0 | 0xff | - | enum (bit field) | Fuel flags bit0-Available bit1-Error bit2-Alarm bit3-DigitalSensor | FMB640 EMC640 EMM640 | Reefer IO |
| 10475 | Maintenance 1 Hours | 4 | Unsigned | 0 | 0xffffffff | - | h | Maintenance 1 Hours | FMB640 EMC640 EMM640 | Reefer IO |
| 10476 | Maintenance 2 Hours | 4 | Unsigned | 0 | 0xffffffff | - | h | Maintenance 2 Hours | FMB640 EMC640 EMM640 | Reefer IO |
| 10477 | Maintenance 3 Hours | 4 | Unsigned | 0 | 0xffffffff | - | h | Maintenance 3 Hours | FMB640 EMC640 EMM640 | Reefer IO |
| 10478 | Maintenance 4 Hours | 4 | Unsigned | 0 | 0xffffffff | - | h | Maintenance 4 Hours | FMB640 EMC640 EMM640 | Freezer IO Elements |
| 10479 | Maintenance 5 Hours | 4 | Unsigned | 0 | 0xffffffff | - | h | Maintenance 5 Hours | FMB640 EMC640 EMM640 | Reefer IO |
| 10480 | Run Mode | 1 | Unsigned | 0 | 0xff | - | - | Run Mode 0:Start/Stop (SS) 1:Continuous 2:Cycle/Center (CS) 7:Unknown/Now available | FMB640 EMC640 EMM640 | Reefer IO |
| 10639 | Error Codes | 16 | HEX | 0 | 16 | - | - | Fridge error codes array | FMB640 EMC640 EMM640 | Reefer IO |
| 10644 | Temperature Probe 1 | 2 | Signed | -32768 | 32767 | - | - | Temperature Probe 1 | FMB640 EMC640 EMM640 | Reefer IO |
| 10645 | Temperature Probe 2 | 2 | Signed | -32768 | 32767 | - | - | Temperature Probe 2 | FMB640 EMC640 EMM640 | Reefer IO |
| 10646 | Temperature Probe 3 | 2 | Signed | -32768 | 32767 | - | - | Temperature Probe 3 | FMB640 EMC640 EMM640 | Reefer IO |
| 10647 | Temperature Probe 4 | 2 | Signed | -32768 | 32767 | - | - | Temperature Probe 4 | FMB640 EMC640 EMM640 | Reefer IO |
| 10648 | Temperature Probe 5 | 2 | Signed | -32768 | 32767 | - | - | Temperature Probe 5 | FMB640 EMC640 EMM640 | Reefer IO |
| 10649 | Temperature Probe 6 | 2 | Signed | -32768 | 32767 | - | - | Temperature Probe 6 | FMB640 EMC640 EMM640 | Reefer IO |
| 10040 | Inbox Fuel | 1 | Unsigned | 0 | 15 | - | - | - | FMB640 EMC640 EMM640 | Reefer IO |
| 10041 | Inbox Battery | 2 | Unsigned | 0 | 15 | - | - | - | FMB640 EMC640 EMM640 | Reefer IO |
| 10042 | Inbox TELH | 4 | Unsigned | 0 | 15 | - | - | - | FMB640 EMC640 EMM640 | Reefer IO |
| 10043 | Inbox TVH | 4 | Unsigned | 0 | 15 | - | - | - | FMB640 EMC640 EMM640 | Reefer IO |
| 10044 | Inbox TENH | 4 | Unsigned | 0 | 15 | - | - | - | FMB640 EMC640 EMM640 | Reefer IO |
| 10053 | Z1 Power mode | 1 | Unsigned | 0 | 7 | - | - | Zone 1 Operating Mode | FMB640 EMC640 EMM640 | Reefer IO |

| | | | | | | | | | | |
|-------|---------------------------|---|----------|--------|----------------|---|----|------------------------|----------------------------|-----------|
| 10054 | Zone 2 Compartment state | 1 | Unsigned | 0 | 15 | - | - | Alarm Type | EMB640 EMC640 EMM640 | Reefer IO |
| 10055 | Zone 2 Compartment mode | 1 | Unsigned | 0 | 255 | - | - | Alarm Code | EMB640 EMC640 EMM640 | Reefer IO |
| 10352 | Alarm level | 1 | Unsigned | 0 | 255 | - | - | Error Count | EMB640 EMC640 EMM640 | Reefer IO |
| 10354 | Communication state flags | 1 | Unsigned | 0 | 255 | - | - | Compressor CFG | EMB640 EMC640 EMM640 | Reefer IO |
| 10355 | Door Status | 1 | Unsigned | 0 | 255 | - | - | Door Status | EMB640 EMC640 EMM640 | Reefer IO |
| 10357 | Trailer Serial | 8 | Unsigned | 0 | 0xffffffffffff | - | - | Trailer Serial String | EMB640 EMC640 EMM640 | Reefer IO |
| 10357 | Trailer Serial | 8 | Unsigned | 0 | 0xffffffffffff | - | - | Trailer Serial String | EMB640 EMC640 EMM640 | Reefer IO |
| 10481 | External Temperature 1 | 2 | Signed | -32768 | 32768 | - | °C | External Temperature 1 | EMB640 EMC640 EMM640 | Reefer IO |
| 10482 | External Temperature 2 | 2 | Signed | -32768 | 32768 | - | °C | External Temperature 2 | EMB640 EMC640 EMM640 | Reefer IO |
| 10483 | External Temperature 3 | 2 | Signed | -32768 | 32768 | - | °C | External Temperature 3 | EMB640 EMC640 EMM640 | Reefer IO |
| 10484 | External Temperature 4 | 2 | Signed | -32768 | 32768 | - | °C | External Temperature 4 | EMB640 EMC640 EMM640 | Reefer IO |
| 10485 | External Temperature 5 | 2 | Signed | -32768 | 32768 | - | °C | External Temperature 5 | EMB640 EMC640 EMM640 | Reefer IO |
| 10486 | External Temperature 6 | 2 | Signed | -32768 | 32768 | - | °C | External Temperature 6 | EMB640 EMC640 EMM640 | Reefer IO |

TK Transcan IO

| Property ID in AVL packet | Property Name | Bytes | Type | Value range | | Multiplier | Units | Description | HW Support | Parameter Group |
|---------------------------|---------------|-------|----------|-------------|-------|------------|-------|---------------|----------------------------|-----------------|
| | | | | Min | Max | | | | | |
| 10683 | Temperature 1 | 2 | Signed | -32768 | 32767 | 0.1 | °C | Temperature 1 | EMB640 EMC640 EMM640 | Transcan IO |
| 10684 | Temperature 2 | 2 | Signed | -32768 | 32767 | 0.1 | °C | Temperature 2 | EMB640 EMC640 EMM640 | Transcan IO |
| 10685 | Temperature 3 | 2 | Signed | -32768 | 32767 | 0.1 | °C | Temperature 3 | EMB640 EMC640 EMM640 | Transcan IO |
| 10686 | Temperature 4 | 2 | Signed | -32768 | 32767 | 0.1 | °C | Temperature 4 | EMB640 EMC640 EMM640 | Transcan IO |
| 10687 | Status 1 | 1 | Unsigned | 0 | 255 | 0 | | Status 1 | EMB640 EMC640 EMM640 | Transcan IO |
| 10688 | Status 2 | 1 | Unsigned | 0 | 255 | 0 | | Status 2 | EMB640 EMC640 EMM640 | Transcan IO |
| 10689 | Status 3 | 1 | Unsigned | 0 | 255 | 0 | | Status 3 | EMB640 EMC640 EMM640 | Transcan IO |
| 10690 | Status 4 | 1 | Unsigned | 0 | 255 | 0 | | Status 4 | EMB640 EMC640 EMM640 | Transcan IO |
| 10691 | Alarm 1 | 1 | Unsigned | 0 | 255 | 0 | | Alarm 1 | EMB640 EMC640 EMM640 | Transcan IO |
| 10692 | Alarm 2 | 1 | Unsigned | 0 | 255 | 0 | | Alarm 2 | EMB640 EMC640 EMM640 | Transcan IO |
| 10693 | Alarm 3 | 1 | Unsigned | 0 | 255 | 0 | | Alarm 3 | EMB640 EMC640 EMM640 | Transcan IO |
| 10694 | Alarm 4 | 1 | Unsigned | 0 | 255 | 0 | | Alarm 4 | EMB640 EMC640 EMM640 | Transcan IO |

TK Euroscan IO

| Property ID in AVL packet | Property Name | Bytes | Type | Value range | | Multiplier | Units | Description | HW Support | Parameter Group |
|---------------------------|-------------------------------|-------|----------|-------------|-------|------------|-------|-------------|----------------------------|-----------------|
| | | | | Min | Max | | | | | |
| 484 | External Sensor Temperature 1 | 2 | Signed | -32768 | 32767 | - | °C | Degrees, °C | EMB640 EMC640 EMM640 | Euroscan IO |
| 485 | External Sensor Temperature 2 | 2 | Signed | -32768 | 32767 | - | °C | Degrees, °C | EMB640 EMC640 EMM640 | Euroscan IO |
| 486 | External Sensor Temperature 3 | 2 | Signed | -32768 | 32767 | - | °C | Degrees, °C | EMB640 EMC640 EMM640 | Euroscan IO |
| 487 | External Sensor Temperature 4 | 2 | Signed | -32768 | 32767 | - | °C | Degrees, °C | EMB640 EMC640 EMM640 | Euroscan IO |
| 488 | External Sensor Temperature 5 | 2 | Signed | -32768 | 32767 | - | °C | Degrees, °C | EMB640 EMC640 EMM640 | Euroscan IO |
| 489 | External Sensor Temperature 6 | 2 | Signed | -32768 | 32767 | - | °C | Degrees, °C | EMB640 EMC640 EMM640 | Euroscan IO |
| 10464 | External Digital Sensor 1 | 1 | Unsigned | 0 | 0xff | - | - | Logic 0/1 | EMB640 EMC640 EMM640 | Euroscan IO |
| 10465 | External Digital Sensor 2 | 1 | Unsigned | 0 | 0xff | - | - | Logic 0/1 | EMB640 EMC640 EMM640 | Euroscan IO |
| 10466 | External Digital Sensor 3 | 1 | Unsigned | 0 | 0xff | - | - | Logic 0/1 | EMB640 EMC640 EMM640 | Euroscan IO |
| 10467 | External Digital Sensor 4 | 1 | Unsigned | 0 | 0xff | - | - | Logic 0/1 | EMB640 EMC640 EMM640 | Euroscan IO |

TK Touchprint IO

| Property ID in AVL packet | Property Name | Bytes | Type | Value range | | Multiplier | Units | Description | HW Support | Parameter Group |
|---------------------------|---------------|-------|--------|-------------|-------|------------|-------|-------------|----------------------------|------------------|
| | | | | Min | Max | | | | | |
| 10695 | Input 1 | 2 | Signed | -32768 | 32767 | 0.1 | °C | Input 1 | FMB640 FMC640 FMM640 | TK Touchprint IO |
| 10696 | Input 2 | 2 | Signed | -32768 | 32767 | 0.1 | °C | Input 2 | FMB640 FMC640 FMM640 | TK Touchprint IO |
| 10697 | Input 3 | 2 | Signed | -32768 | 32767 | 0.1 | °C | Input 3 | FMB640 FMC640 FMM640 | TK Touchprint IO |
| 10698 | Input 4 | 2 | Signed | -32768 | 32767 | 0.1 | °C | Input 4 | FMB640 FMC640 FMM640 | TK Touchprint IO |
| 10699 | Input 5 | 2 | Signed | -32768 | 32767 | 0.1 | °C | Input 5 | FMB640 FMC640 FMM640 | TK Touchprint IO |
| 10700 | Input 6 | 2 | Signed | -32768 | 32767 | 0.1 | °C | Input 6 | FMB640 FMC640 FMM640 | TK Touchprint IO |
| 10701 | Setpoint 1 | 2 | Signed | -32768 | 32767 | 0.1 | °C | Setpoint 1 | FMB640 FMC640 FMM640 | TK Touchprint IO |
| 10702 | Setpoint 2 | 2 | Signed | -32768 | 32767 | 0.1 | °C | Setpoint 2 | FMB640 FMC640 FMM640 | TK Touchprint IO |
| 10703 | Setpoint 3 | 2 | Signed | -32768 | 32767 | 0.1 | °C | Setpoint 3 | FMB640 FMC640 FMM640 | TK Touchprint IO |

BLE

| Property ID in AVL packet | Property Name | Bytes | Type | Value range | | Multiplier | Units | Description | HW Support | Parameter Group |
|---------------------------|---------------------------------|----------|----------|-------------|------------------|------------|-------|--|------------|-----------------|
| | | | | Min | Max | | | | | |
| 701 | BLE Temperature 1 | 2 | Signed | 0 | 0xFFFF | - | - | | FMB640 | BLE elements |
| 702 | BLE Temperature 2 | 2 | Signed | 0 | 0xFFFF | - | - | | FMC640 | BLE elements |
| 703 | BLE Temperature 3 | 2 | Signed | 0 | 0xFFFF | - | - | | FMM640 | BLE elements |
| 704 | BLE Temperature 4 | 2 | Signed | 0 | 0xFFFF | - | - | | FMB640 | BLE elements |
| 705 | BLE Battery 1 | 1 | Unsigned | 0 | 0xFF | - | - | | FMC640 | BLE elements |
| 706 | BLE Battery 2 | 1 | Unsigned | 0 | 0xFF | - | - | | FMM640 | BLE elements |
| 707 | BLE Battery 3 | 1 | Unsigned | 0 | 0xFF | - | - | | FMB640 | BLE elements |
| 708 | BLE Battery 4 | 1 | Unsigned | 0 | 0xFF | - | - | | FMC640 | BLE elements |
| 709 | BLE Humidity 1 | 2 | Unsigned | 0 | 0xFFFF | - | - | | FMM640 | BLE elements |
| 710 | BLE Humidity 2 | 2 | Unsigned | 0 | 0xFFFF | - | - | | FMB640 | BLE elements |
| 711 | BLE Humidity 3 | 2 | Unsigned | 0 | 0xFFFF | - | - | | FMC640 | BLE elements |
| 712 | BLE Humidity 4 | 2 | Unsigned | 0 | 0xFFFF | - | - | | FMM640 | BLE elements |
| 713 | BLE Sensor Custom 1 | 8 | Unsigned | 0 | 0xFFFFFFFFFFFFFF | - | - | | FMB640 | BLE elements |
| 714 | BLE Sensor Custom 2 | 8 | Unsigned | 0 | 0xFFFFFFFFFFFFFF | - | - | | FMC640 | BLE elements |
| 715 | BLE Sensor Custom 3 | 8 | Unsigned | 0 | 0xFFFFFFFFFFFFFF | - | - | | FMM640 | BLE elements |
| 716 | BLE Sensor Custom 4 | 8 | Unsigned | 0 | 0xFFFFFFFFFFFFFF | - | - | | FMB640 | BLE elements |
| 717 | BLE Ilum 1 | 2 | Unsigned | 0 | 0xFFFF | - | - | | FMC640 | BLE elements |
| 718 | BLE Ilum 2 | 2 | Unsigned | 0 | 0xFFFF | - | - | | FMM640 | BLE elements |
| 719 | BLE Ilum 3 | 2 | Unsigned | 0 | 0xFFFF | - | - | | FMB640 | BLE elements |
| 720 | BLE Ilum 4 | 2 | Unsigned | 0 | 0xFFFF | - | - | | FMC640 | BLE elements |
| 721 | BLE LLS Fuel 1 | 2 | Unsigned | 0 | 0xFFFF | - | - | | FMM640 | BLE elements |
| 722 | BLE LLS Fuel 2 | 2 | Unsigned | 0 | 0xFFFF | - | - | | FMB640 | BLE elements |
| 723 | BLE LLS Fuel 3 | 2 | Unsigned | 0 | 0xFFFF | - | - | | FMC640 | BLE elements |
| 724 | BLE LLS Fuel 4 | 2 | Unsigned | 0 | 0xFFFF | - | - | | FMM640 | BLE elements |
| 725 | BLE Freq 1 | 4 | Unsigned | 0 | 0xFFFFFFFF | - | - | | FMB640 | BLE elements |
| 726 | BLE Freq 2 | 4 | Unsigned | 0 | 0xFFFFFFFF | - | - | | FMC640 | BLE elements |
| 727 | BLE Freq 3 | 4 | Unsigned | 0 | 0xFFFFFFFF | - | - | | FMM640 | BLE elements |
| 728 | BLE Freq 4 | 4 | Unsigned | 0 | 0xFFFFFFFF | - | - | | FMB640 | BLE elements |
| 729 | BLE Sensor Custom 12 | 4 | Unsigned | 0 | 0xFFFFFFFF | - | - | | FMC640 | BLE elements |
| 730 | BLE Sensor Custom 13 | 4 | Unsigned | 0 | 0xFFFFFFFF | - | - | | FMM640 | BLE elements |
| 731 | BLE Sensor Custom 14 | 4 | Unsigned | 0 | 0xFFFFFFFF | - | - | | FMB640 | BLE elements |
| 732 | BLE Sensor Custom 15 | 4 | Unsigned | 0 | 0xFFFFFFFF | - | - | | FMC640 | BLE elements |
| 733 | BLE Sensor Custom 22 | 4 | Unsigned | 0 | 0xFFFFFFFF | - | - | | FMM640 | BLE elements |
| 734 | BLE Sensor Custom 23 | 4 | Unsigned | 0 | 0xFFFFFFFF | - | - | | FMB640 | BLE elements |
| 735 | BLE Sensor Custom 24 | 4 | Unsigned | 0 | 0xFFFFFFFF | - | - | | FMC640 | BLE elements |
| 736 | BLE Sensor Custom 25 | 4 | Unsigned | 0 | 0xFFFFFFFF | - | - | | FMM640 | BLE elements |
| 737 | BLE Sensor Custom 32 | 4 | Unsigned | 0 | 0xFFFFFFFF | - | - | | FMB640 | BLE elements |
| 738 | BLE Sensor Custom 33 | 4 | Unsigned | 0 | 0xFFFFFFFF | - | - | | FMC640 | BLE elements |
| 739 | BLE Sensor Custom 34 | 4 | Unsigned | 0 | 0xFFFFFFFF | - | - | | FMM640 | BLE elements |
| 740 | BLE Sensor Custom 35 | 4 | Unsigned | 0 | 0xFFFFFFFF | - | - | | FMB640 | BLE elements |
| 741 | BLE Sensor Custom 42 | 4 | Unsigned | 0 | 0xFFFFFFFF | - | - | | FMC640 | BLE elements |
| 742 | BLE Sensor Custom 43 | 4 | Unsigned | 0 | 0xFFFFFFFF | - | - | | FMM640 | BLE elements |
| 743 | BLE Sensor Custom 44 | 4 | Unsigned | 0 | 0xFFFFFFFF | - | - | | FMB640 | BLE elements |
| 744 | BLE Sensor Custom 45 | 4 | Unsigned | 0 | 0xFFFFFFFF | - | - | | FMC640 | BLE elements |
| 10500 | BLE Advertisement data | Variable | HEX | 0 | 1024 | - | - | List of parsed advertising data of BLE beacons (Edbyts and ibeacons) found by BLE scanning | FMB640 | BLE elements |
| 548 | Advanced BLE Advertisement data | Variable | HEX | 0 | 1024 | - | - | List of parsed <u>advanced</u> data of BLE beacons (Edbyts and ibeacons) found by BLE scanning | FMC640 | BLE elements |

FMS Eco Driving

| Property ID in AVL packet | Property Name | Bytes | Type | Value range | | Multiplier | Units | Description | HW Support | Parameter Group |
|---------------------------|------------------|-------|----------|-------------|------------|------------|-------|---|----------------------------|--------------------------|
| | | | | Min | Max | | | | | |
| 12000 | Event IO ID | 1 | Unsigned | 0 | 0xFF | - | - | 0 - Periodic 1 - Trip Start 2 - Trip End 3 - Driver change 4 - Device startup 5 - Device off / reset 6 - End of Day 7 - VIN Change | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 239 | Ignition | 1 | Unsigned | 0 | 0xFF | - | - | 0 - OFF 1 - ON 0 - Non active 1 - Active | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 250 | Trip | 1 | Unsigned | 0 | 0xFF | - | - | 0 - Non active 1 - Active | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 192 | Total Distance | 4 | Unsigned | 0 | 0xFFFFFFFF | - | m | Meters, m | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 138 | Engine Fuel used | 4 | Unsigned | 0 | 0xFFFFFFFF | - | ml | Milliliters, ml | FMB640 FMC640 FMM640 | FMS Eco Driving elements |

| | | | | | | | | | | |
|-------|--------------------------|---|----------|---|------------|---|----|-----------------|----------------------------|--------------------------|
| 12001 | Active Driver ID | - | <string> | 0 | 0xFF | - | - | var | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12002 | VIN Number | - | <string> | 0 | 0xFF | - | - | var | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12003 | Event Counter | 2 | Unsigned | 0 | 0xFFFF | - | - | | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12010 | Coasting Distance | 4 | Unsigned | 0 | 0xFFFFFFFF | - | m | Meters, m | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12011 | Coasting Fuel Used | 4 | Unsigned | 0 | 0xFFFFFFFF | - | ml | Millilitres, ml | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12012 | Coasting Time | 4 | Unsigned | 0 | 0xFFFFFFFF | - | s | Seconds, s | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12013 | EcoRoll Distance | 4 | Unsigned | 0 | 0xFFFFFFFF | - | m | Meters, m | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12014 | EcoRoll Fuel Used | 4 | Unsigned | 0 | 0xFFFFFFFF | - | ml | Millilitres, ml | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12015 | EcoRoll Time | 4 | Unsigned | 0 | 0xFFFFFFFF | - | s | Seconds, s | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12016 | Braking Distance | 4 | Unsigned | 0 | 0xFFFFFFFF | - | m | Meters, m | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12017 | Braking Fuel Used | 4 | Unsigned | 0 | 0xFFFFFFFF | - | ml | Millilitres, ml | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12018 | Braking Time | 4 | Unsigned | 0 | 0xFFFFFFFF | - | s | Seconds, s | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12019 | Braking Count | 4 | Unsigned | 0 | 0xFFFFFFFF | - | - | Number | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12020 | Retarder Distance | 4 | Unsigned | 0 | 0xFFFFFFFF | - | m | Meters, m | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12021 | Retarder Fuel Used | 4 | Unsigned | 0 | 0xFFFFFFFF | - | ml | Millilitres, ml | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12022 | Retarder Time | 4 | Unsigned | 0 | 0xFFFFFFFF | - | s | Seconds, s | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12023 | Cruise Distance | 4 | Unsigned | 0 | 0xFFFFFFFF | - | m | Meters, m | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12024 | Cruise Fuel Used | 4 | Unsigned | 0 | 0xFFFFFFFF | - | ml | Millilitres, ml | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12025 | Cruise Time | 4 | Unsigned | 0 | 0xFFFFFFFF | - | s | Seconds, s | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12026 | Torque Distance | 4 | Unsigned | 0 | 0xFFFFFFFF | - | m | Meters, m | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12027 | Torque Fuel Used | 4 | Unsigned | 0 | 0xFFFFFFFF | - | ml | Millilitres, ml | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12028 | Torque Time | 4 | Unsigned | 0 | 0xFFFFFFFF | - | s | Seconds, s | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12029 | PTO Distance | 4 | Unsigned | 0 | 0xFFFFFFFF | - | m | Meters, m | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12030 | PTO Fuel Used | 4 | Unsigned | 0 | 0xFFFFFFFF | - | ml | Millilitres, ml | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12031 | PTO Time | 4 | Unsigned | 0 | 0xFFFFFFFF | - | s | Seconds, s | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12032 | Fuel While Driving fuel | 4 | Unsigned | 0 | 0xFFFFFFFF | - | ml | Millilitres, ml | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12033 | Fuel While Idle fuel | 4 | Unsigned | 0 | 0xFFFFFFFF | - | ml | Millilitres, ml | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12034 | Engine Load fuel | 4 | Unsigned | 0 | 0xFFFFFFFF | - | ml | Millilitres, ml | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12035 | Total Distance | 4 | Unsigned | 0 | 0xFFFFFFFF | - | m | Meters, m | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12036 | Total Fuel Used | 4 | Unsigned | 0 | 0xFFFFFFFF | - | ml | Millilitres, ml | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12037 | Total Time | 4 | Unsigned | 0 | 0xFFFFFFFF | - | s | Seconds, s | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12050 | Short Stops Count | 2 | Unsigned | 0 | 0xFFFF | - | - | Number | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12051 | Long Stops Count | 2 | Unsigned | 0 | 0xFFFF | - | - | Number | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12052 | Parking brake Count | 2 | Unsigned | 0 | 0xFFFF | - | - | Number | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12053 | Harsh Acceleration Count | 2 | Unsigned | 0 | 0xFFFF | - | - | Number | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12054 | Harsh Braking Count | 2 | Unsigned | 0 | 0xFFFF | - | - | Number | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12055 | Harsh Cornering Count | 2 | Unsigned | 0 | 0xFFFF | - | - | Number | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12100 | Speed Range 1 Distance | 4 | Unsigned | 0 | 0xFFFFFFFF | - | m | Meters, m | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12101 | Speed Range 2 Distance | 4 | Unsigned | 0 | 0xFFFFFFFF | - | m | Meters, m | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12102 | Speed Range 3 Distance | 4 | Unsigned | 0 | 0xFFFFFFFF | - | m | Meters, m | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12103 | Speed Range 4 Distance | 4 | Unsigned | 0 | 0xFFFFFFFF | - | m | Meters, m | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12104 | Speed Range 5 Distance | 4 | Unsigned | 0 | 0xFFFFFFFF | - | m | Meters, m | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12105 | Speed Range 6 Distance | 4 | Unsigned | 0 | 0xFFFFFFFF | - | m | Meters, m | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12106 | Speed Range 7 Distance | 4 | Unsigned | 0 | 0xFFFFFFFF | - | m | Meters, m | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12107 | Speed Range 8 Distance | 4 | Unsigned | 0 | 0xFFFFFFFF | - | m | Meters, m | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12108 | Speed Range 9 Distance | 4 | Unsigned | 0 | 0xFFFFFFFF | - | m | Meters, m | FMB640 FMC640 FMM640 | FMS Eco Driving elements |

| | | | | | | | | | | |
|-------|----------------------------|---|----------|---|------------|---|-----|-----------------|--|--------------------------|
| 12201 | Braking Range 2 Fuel used | 4 | Unsigned | 0 | 0xFFFFFFFF | - | ml | Millilitres, ml | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12202 | Braking Range 3 Fuel used | 4 | Unsigned | 0 | 0xFFFFFFFF | - | ml | Millilitres, ml | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12203 | Braking Range 4 Fuel used | 4 | Unsigned | 0 | 0xFFFFFFFF | - | ml | Millilitres, ml | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12204 | Braking Range 5 Fuel used | 4 | Unsigned | 0 | 0xFFFFFFFF | - | -ml | Millilitres, ml | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12205 | Braking Range 6 Fuel used | 4 | Unsigned | 0 | 0xFFFFFFFF | - | ml | Millilitres, ml | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12206 | Braking Range 7 Fuel used | 4 | Unsigned | 0 | 0xFFFFFFFF | - | ml | Millilitres, ml | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12207 | Braking Range 8 Fuel used | 4 | Unsigned | 0 | 0xFFFFFFFF | - | ml | Millilitres, ml | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12208 | Braking Range 9 Fuel used | 4 | Unsigned | 0 | 0xFFFFFFFF | - | ml | Millilitres, ml | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12209 | Braking Range 10 Fuel used | 4 | Unsigned | 0 | 0xFFFFFFFF | - | ml | Millilitres, ml | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12210 | Braking Range 1 Time | 4 | Unsigned | 0 | 0xFFFFFFFF | - | s | Seconds, s | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12211 | Braking Range 2 Time | 4 | Unsigned | 0 | 0xFFFFFFFF | - | s | Seconds, s | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12212 | Braking Range 3 Time | 4 | Unsigned | 0 | 0xFFFFFFFF | - | s | Seconds, s | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12213 | Braking Range 4 Time | 4 | Unsigned | 0 | 0xFFFFFFFF | - | s | Seconds, s | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12214 | Braking Range 5 Time | 4 | Unsigned | 0 | 0xFFFFFFFF | - | s | Seconds, s | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12215 | Braking Range 6 Time | 4 | Unsigned | 0 | 0xFFFFFFFF | - | s | Seconds, s | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12216 | Braking Range 7 Time | 4 | Unsigned | 0 | 0xFFFFFFFF | - | s | Seconds, s | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12217 | Braking Range 8 Time | 4 | Unsigned | 0 | 0xFFFFFFFF | - | s | Seconds, s | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12218 | Braking Range 9 Time | 4 | Unsigned | 0 | 0xFFFFFFFF | - | s | Seconds, s | FMB640 FMC640 FMM640 | FMS Eco Driving elements |
| 12219 | Braking Range 10 Time | 4 | Unsigned | 0 | 0xFFFFFFFF | - | s | Seconds, s | FMB640 FMC640 FMM640 | FMS Eco Driving elements |