

# FM36 AVL ID

## FM36 AVL ID

| No. | Property ID in AVL packet | Property Name                     | Bytes | Type     | Value Range |            | Multiplier | Units | Description                                                                                                                                                                                        | HW Support     | Parameter Group        |
|-----|---------------------------|-----------------------------------|-------|----------|-------------|------------|------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------|
|     |                           |                                   |       |          | Min         | Max        |            |       |                                                                                                                                                                                                    |                |                        |
| 1   | 1                         | Digital Input Status 1            | 1     | Unsigned | 0           | 1          | -          | -     | Logic: 0 / 1                                                                                                                                                                                       | FM3612, FM36M1 | Permanent I/O elements |
| 2   | 2                         | Digital Input Status 2            | 1     | Unsigned | 0           | 1          | -          | -     | Logic: 0 / 1                                                                                                                                                                                       | FM3612, FM36M1 | Permanent I/O elements |
| 3   | 3                         | Digital Input Status 3            | 1     | Unsigned | 0           | 1          | -          | -     | Logic: 0 / 1                                                                                                                                                                                       | FM3612, FM36M1 | Permanent I/O elements |
| 4   | 4                         | Digital Input Status 4            | 1     | Unsigned | 0           | 1          | -          | -     | Logic: 0 / 1                                                                                                                                                                                       | FM3612, FM36M1 | Permanent I/O elements |
| 5   | 9                         | Analog Input 1                    | 2     | Unsigned | 0           | 30000      | -          | mV    | Voltage: mV, 0 - 30000 mV                                                                                                                                                                          | FM3612, FM36M1 | Permanent I/O elements |
| 6   | 10                        | Analog Input 2                    | 2     | Unsigned | 0           | 30000      | -          | mV    | Voltage: mV, 0 - 30000 mV                                                                                                                                                                          | FM3612, FM36M1 | Permanent I/O elements |
| 7   | 21                        | GSM level                         | 1     | Unsigned | 1           | 5          | -          | -     | GSM signal level value in scale 1 - 5                                                                                                                                                              | FM3612, FM36M1 | Permanent I/O elements |
| 8   | 24                        | Speed                             | 2     | Unsigned | 0           | 1000       | -          | km/h  | Value in km/h, 0 - xxx km/h                                                                                                                                                                        | FM3612, FM36M1 | Permanent I/O elements |
| 9   | 66                        | External Power Voltage            | 2     | Unsigned | 0           | 30000      | -          | mV    | Voltage: mV, 0 - 30000 mV                                                                                                                                                                          | FM3612, FM36M1 | Permanent I/O elements |
| 10  | 67                        | Battery Voltage                   | 2     | Unsigned | 0           | 30000      | -          | mV    | Voltage: mV, 0 - 30000 mV                                                                                                                                                                          | FM3612, FM36M1 | Permanent I/O elements |
| 11  | 68                        | Battery Current                   | 2     | Unsigned | 0           | 2400       | -          | mA    | Current: mA, 0 - 2400 mA                                                                                                                                                                           | FM3612, FM36M1 | Permanent I/O elements |
| 12  | 69                        | GNSS Status                       | 1     | Unsigned | 0           | 10         | -          | -     | States:<br>0 - GPS module is power off.<br>1 - GPS antenna is disconnected.<br>2 - Working, no GPS FIX.<br>3 - Working, GPS FIX acquired.<br>4 - GPS sleep.<br>5 - GPS antenna is short circuited. | FM3612, FM36M1 | Permanent I/O elements |
| 13  | 72                        | Dallas Temperature 1              | 2     | Signed   | -55         | 3000       | 10         | °C    | 10 * Degrees ( °C ), -55 - +115, if 3000 - Dallas error                                                                                                                                            | FM3612, FM36M1 | Permanent I/O elements |
| 14  | 73                        | Dallas Temperature 2              | 2     | Signed   | -55         | 3000       | 10         | °C    | 10 * Degrees ( °C ), -55 - +115, if 3000 - Dallas error                                                                                                                                            | FM3612, FM36M1 | Permanent I/O elements |
| 15  | 74                        | Dallas Temperature 3              | 2     | Signed   | -55         | 3000       | 10         | °C    | 10 * Degrees ( °C ), -55 - +115, if 3000 - Dallas error                                                                                                                                            | FM3612, FM36M1 | Permanent I/O elements |
| 16  | 75                        | Dallas Temperature Sensor ID1     | 8     | Signed   | 0           | -1E+19     | -          | -     | Temperature sensor ID                                                                                                                                                                              | FM3612, FM36M1 | Permanent I/O elements |
| 17  | 76                        | Dallas Temperature Sensor ID2     | 8     | Signed   | 0           | -1E+19     | -          | -     | Temperature sensor ID                                                                                                                                                                              | FM3612, FM36M1 | Permanent I/O elements |
| 18  | 77                        | Dallas Temperature Sensor ID3     | 8     | Signed   | 0           | -1E+19     | -          | -     | Temperature sensor ID                                                                                                                                                                              | FM3612, FM36M1 | Permanent I/O elements |
| 19  | 78                        | iButton ID                        | 8     | Signed   | 0           | -1E+19     | -          | -     | iButton ID number                                                                                                                                                                                  | FM3612, FM36M1 | Permanent I/O elements |
| 20  | 79                        | Network type                      | 1     | Unsigned | 0           | 9          | -          | -     | 0 - 2G;<br>2 - 3G;<br>8 - LTE-M1;<br>9 - NB-IOT.                                                                                                                                                   | FM3612, FM36M1 | Permanent I/O elements |
| 21  | 80                        | Working Mode                      | 1     | Unsigned | 0           | 5          | -          | -     | 0 - home on stop,<br>1 - home on move,<br>2 - roaming on stop,<br>3 - roaming on move,<br>4 - unknown on stop,<br>5 - unknown on move                                                              | FM3612, FM36M1 | Permanent I/O elements |
| 22  | 99                        | Continuous odometer               | 4     | Unsigned | 0           | 4294967295 | -          | m     | Continuous odometer value: m.                                                                                                                                                                      | FM3612, FM36M1 | Permanent I/O elements |
| 23  | 179                       | Digital Output 1 state            | 1     | Unsigned | 0           | 1          | -          | -     | Logic: 0 / 1                                                                                                                                                                                       | FM3612, FM36M1 | Permanent I/O elements |
| 24  | 180                       | Digital Output 2 state            | 1     | Unsigned | 0           | 1          | -          | -     | Logic: 0 / 1                                                                                                                                                                                       | FM3612, FM36M1 | Permanent I/O elements |
| 25  | 181                       | PDOP                              | 2     | Unsigned | 0           | 500        | 0.1        | -     | Probability * 10; 0-500                                                                                                                                                                            | FM3612, FM36M1 | Permanent I/O elements |
| 26  | 182                       | HDOP                              | 2     | Unsigned | 0           | 500        | 0.1        | -     | Probability * 10; 0-500                                                                                                                                                                            | FM3612, FM36M1 | Permanent I/O elements |
| 27  | 199                       | Odometer Value (Virtual Odometer) | 4     | Unsigned | 0           | 4294967295 | 1          | m     | Distance between two records: m                                                                                                                                                                    | FM3612, FM36M1 | Permanent I/O elements |
| 28  | 200                       | Deep Sleep                        | 1     | Unsigned | 0           | 1          | -          | -     | 0 - not deep sleep mode,<br>1 - deep sleep mode                                                                                                                                                    | FM3612, FM36M1 | Permanent I/O elements |
| 29  | 205                       | Cell ID                           | 4     | Unsigned | 0           | 4294967295 | -          | -     | GSM base station ID                                                                                                                                                                                | FM3612, FM36M1 | Permanent I/O elements |
| 30  | 206                       | Area Code                         | 2     | Unsigned | 0           | 65536      | -          | -     | Location Area code (LAC), it depends on GSM operator. It provides unique number which assigned to a set of base GSM stations. Max value: 65536                                                     | FM3612, FM36M1 | Permanent I/O elements |
| 31  | 239                       | Ignition                          | 1     | Unsigned | 0           | 1          | -          | -     | 0 - ignition off,<br>1 - ignition on                                                                                                                                                               | FM3612, FM36M1 | Permanent I/O elements |

|    |     |                                                   |   |          |   |            |     |       |                                     |                |                                    |
|----|-----|---------------------------------------------------|---|----------|---|------------|-----|-------|-------------------------------------|----------------|------------------------------------|
| 32 | 240 | Movement Sensor                                   | 1 | Unsigned | 0 | 1          | -   | -     | 0 - not moving,<br>1 - moving       | FM3612, FM36M1 | Permanent I/O<br>elements          |
| 33 | 241 | GSM Operator Code                                 | 4 | Unsigned | 0 | 65535      | -   | -     | Currently used GSM<br>Operator code | FM3612, FM36M1 | Permanent I/O<br>elements          |
| 34 | 81  | LVCAN Speed                                       | 1 | Unsigned | 0 | 255        | 1   | km/h  | Value in km/h                       | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 35 | 82  | LVCAN Accelerator<br>Pedal Position               | 1 | Unsigned | 0 | 255        | 0.1 | %     | Value in %                          | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 36 | 83  | LVCAN Fuel<br>Consumed                            | 4 | Unsigned | 0 | 4294967295 | 0.1 | Ltr   | Value in liters * 100               | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 37 | 84  | LVCAN Fuel Level<br>(liters)                      | 2 | Unsigned | 0 | 65535      | 0.1 | Ltr   | Value in liters * 10                | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 38 | 85  | LVCAN Engine RPM                                  | 2 | Unsigned | 0 | 65535      | 1   | -     | Value in RPM                        | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 39 | 87  | LVCAN Total<br>Mileage                            | 4 | Unsigned | 0 | 4294967295 | 1   | m     | Value in meters, m                  | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 40 | 89  | LVCAN Fuel Level<br>(percentage)                  | 1 | Unsigned | 0 | 255        | 0.1 | %     | Value in %                          | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 41 | 100 | LVCAN Program<br>Number                           | 4 | Unsigned | 0 | 999        | 1   | -     | Value: Min - 0, Max -<br>999        | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 42 | 101 | LVCAN ModuleID                                    | 8 | Signed   | 0 | max        | 1   | -     | Module identification               | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 43 | 102 | LVCAN Engine Work<br>Time                         | 4 | Unsigned | 0 | 4294967295 | 1   | Min   | Value in min                        | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 44 | 103 | LVCAN Engine Work<br>Time (counted)               | 4 | Unsigned | 0 | 4294967295 | 1   | Min   | Value in min                        | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 45 | 104 | LVCAN Total<br>Mileage                            | 4 | Unsigned | 0 | 4294967295 | 1   | m     | Value in meters, m                  | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 46 | 105 | LVCAN Total<br>Mileage (counted)                  | 4 | Unsigned | 0 | 4294967295 | 1   | m     | Value in meters, m                  | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 47 | 106 | LVCAN Fuel<br>Consumed                            | 4 | Unsigned | 0 | 4294967295 | 0.1 | Ltr   | Value in Ltr                        | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 48 | 107 | LVCAN Fuel<br>Consumed (counted)                  | 4 | Unsigned | 0 | 4294967295 | 0.1 | Ltr   | Value in liters * 100               | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 49 | 108 | LVCAN Fuel Level<br>(percent)                     | 1 | Unsigned | 0 | 255        | 0.1 | %     | Value in %                          | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 50 | 109 | LVCAN Fuel Level<br>(liters)                      | 2 | Unsigned | 0 | 65535      | 0.1 | Ltr   | Value in Ltr                        | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 51 | 110 | LVCAN Fuel Rate                                   | 2 | Unsigned | 0 | 65535      | 0.1 | Ltr/h | Value in (liters * 10) /<br>h       | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 52 | 111 | LVCAN AdBlue Level<br>(percent)                   | 1 | Unsigned | 0 | 255        | 0.1 | %     | Value in %                          | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 53 | 112 | LVCAN AdBlue Level<br>(liters)                    | 2 | Unsigned | 0 | 65535      | 0.1 | Ltr   | Value in liters * 10                | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 54 | 113 | LVCAN Engine RPM                                  | 2 | Unsigned | 0 | 65535      | 1   | -     | Value in RPM                        | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 55 | 114 | LVCAN Engine Load                                 | 1 | Unsigned | 0 | 255        | 1   | %     | Value in %                          | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 56 | 115 | LVCAN Engine<br>Temperature                       | 2 | Signed   | 0 | 65535      | 0.1 | °C    | Value in °C x 10                    | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 57 | 116 | LVCAN Accelerator<br>Pedal Position               | 1 | Unsigned | 0 | 255        | 0.1 | %     | Value in %                          | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 58 | 117 | LVCAN Vehicle<br>Speed                            | 1 | Unsigned | 0 | 255        | 1   | km/h  | Value in km/h                       | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 59 | 118 | LVCAN Axle 1 Load                                 | 2 | Unsigned | 0 | 65535      | 1   | kg    | Value in kg                         | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 60 | 119 | LVCAN Axle 2 Load                                 | 2 | Unsigned | 0 | 65535      | 1   | kg    | Value in kg                         | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 61 | 120 | LVCAN Axle 3 Load                                 | 2 | Unsigned | 0 | 65535      | 1   | kg    | Value in kg                         | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 62 | 121 | LVCAN Axle 4 Load                                 | 2 | Unsigned | 0 | 65535      | 1   | kg    | Value in kg                         | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 63 | 122 | LVCAN Axle 5 Load                                 | 2 | Unsigned | 0 | 65535      | 1   | kg    | Value in kg                         | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 64 | 123 | LVCAN Control State<br>Flags                      | 4 | Unsigned | 0 | 4294967295 | 1   | -     | see LVCAN IO<br>element values      | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 65 | 124 | LVCAN Agricultural<br>Machinery Flags             | 8 | Signed   | 0 | max        | 1   | -     | see LVCAN IO<br>element values      | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 66 | 125 | LVCAN Harvesting<br>Time                          | 4 | Unsigned | 0 | 4294967295 | 1   | min   | Value in min                        | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 67 | 126 | LVCAN Area of<br>Harvest                          | 4 | Unsigned | 0 | 4294967295 | 1   | m2    | Value in m2                         | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 68 | 127 | LVCAN Mowing<br>Efficiency                        | 4 | Unsigned | 0 | 4294967295 | 1   | m2/h  | Value in m2/h                       | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 69 | 128 | LVCAN Grain Mown<br>Volume                        | 4 | Unsigned | 0 | 4294967295 | 1   | kg    | Value in kg                         | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 70 | 129 | LVCAN Grain<br>Moisture                           | 1 | Unsigned | 0 | 255        | 1   | -     | Value in %                          | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 71 | 130 | LVCAN Harvesting<br>Drum RPM                      | 2 | Unsigned | 0 | 65535      | 1   | -     | -                                   | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 72 | 131 | LVCAN Gap Under<br>Harvesting Drum                | 1 | Unsigned | 0 | 255        | 1   | mm    | Value in mm                         | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 73 | 132 | LVCAN Security<br>State Flags                     | 8 | Signed   | 0 | max        | 1   | -     | see LVCAN IO<br>element values      | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 74 | 133 | LVCAN Tacho Total<br>Vehicle Distance             | 4 | Unsigned | 0 | 4294967295 | 1   | m     | Value in m                          | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 75 | 134 | LVCAN Trip Distance                               | 4 | Unsigned | 0 | 4294967295 | 1   | m     | Value in m                          | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 76 | 135 | LVCAN Tacho<br>Vehicle Speed                      | 2 | Unsigned | 0 | 65535      | 1   | km/h  | Value in km/h                       | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 77 | 136 | LVCAN Tacho Driver<br>Card Presence               | 1 | Unsigned | 0 | 255        | 1   | -     | see LVCAN IO<br>element values      | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 78 | 137 | LVCAN Driver1<br>States                           | 1 | Unsigned | 0 | 255        | 1   | -     | see LVCAN IO<br>element values      | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 79 | 138 | LVCAN Driver2<br>States                           | 1 | Unsigned | 0 | 255        | 1   | -     | see LVCAN IO<br>element values      | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 80 | 139 | LVCAN Driver1<br>Continuous Driving<br>Time       | 2 | Unsigned | 0 | 65535      | 1   | min   | Value in min                        | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 81 | 140 | LVCAN Driver2<br>Continuous Driving<br>Time       | 2 | Unsigned | 0 | 65535      | 1   | min   | Value in min                        | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 82 | 141 | LVCAN Driver1<br>Cumulative Break<br>Time         | 2 | Unsigned | 0 | 65535      | 1   | min   | Value in min                        | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 83 | 142 | LVCAN Driver2<br>Cumulative Break<br>Time         | 2 | Unsigned | 0 | 65535      | 1   | min   | Value in min                        | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 84 | 143 | LVCAN Driver1<br>Duration Of Selected<br>Activity | 2 | Unsigned | 0 | 65535      | 1   | min   | Value in min                        | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |
| 85 | 144 | LVCAN Driver2<br>Duration Of Selected<br>Activity | 2 | Unsigned | 0 | 65535      | 1   | min   | Value in min                        | FM3612, FM36M1 | ALLCAN300/LVCAN200<br>I/O elements |

|     |     |                                         |   |          |        |            |      |     |                                                                                                                                                                                                                                              |                |                                 |
|-----|-----|-----------------------------------------|---|----------|--------|------------|------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------------------|
| 86  | 145 | LVCAN Driver1 Cumulative Driving Time   | 2 | Unsigned | 0      | 65535      | 1    | min | Value in min                                                                                                                                                                                                                                 | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 87  | 146 | LVCAN Driver2 Cumulative Driving Time   | 2 | Unsigned | 0      | 65535      | 1    | min | Value in min                                                                                                                                                                                                                                 | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 88  | 147 | LVCAN Driver1 ID High                   | 8 | Signed   | 0      | max        | 1    | min | Driver1 ID High                                                                                                                                                                                                                              | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 89  | 148 | LVCAN Driver1 ID Low                    | 8 | Signed   | 0      | max        | 1    | min | Driver1 ID Low                                                                                                                                                                                                                               | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 90  | 149 | LVCAN Driver2 ID High                   | 8 | Signed   | 0      | max        | 1    | min | Driver2 ID High                                                                                                                                                                                                                              | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 91  | 150 | LVCAN Driver2 ID Low                    | 8 | Signed   | 0      | max        | 1    | min | Driver2 ID Low                                                                                                                                                                                                                               | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 92  | 151 | LVCAN Battery Temperature               | 2 | Signed   | -255   | 65535      | 0.1  | °C  | Value in °C x 10. Value is signed.                                                                                                                                                                                                           | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 93  | 152 | LVCAN Battery Level (percent)           | 1 | Unsigned | 0      | 255        | 0.1  | %   | Value in percentages, %                                                                                                                                                                                                                      | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 94  | 90  | LVCAN Door Status                       | 2 | Unsigned | 0      | 65535      | 1    | -   | 0 - all doors closed<br>256 - front left door opened<br>512 - front right door opened<br>1024 - rear left door opened<br>2048 - rear right door opened<br>4096 - engine cover opened<br>8192 - trunk door opened<br>16128 - all doors opened | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 95  | 160 | LVCAN DTC Errors                        | 1 | Unsigned | 0      | 255        | 1    | -   | DTC faults count                                                                                                                                                                                                                             | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 96  | 161 | LVCAN Slope of Arm                      | 2 | Signed   | -65535 | 65535      | 0.1  | °   | Value in °                                                                                                                                                                                                                                   | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 97  | 162 | LVCAN Rotation of Arm                   | 2 | Signed   | -65535 | 65535      | 0.1  | °   | Value in °                                                                                                                                                                                                                                   | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 98  | 163 | LVCAN Eject of Arm                      | 2 | Unsigned | 0      | 65535      | 0.1  | m   | Value in m * 10                                                                                                                                                                                                                              | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 99  | 164 | LVCAN Horizontal Dist Arm Vehicle       | 2 | Unsigned | 0      | 65535      | 0.1  | m   | Value in m * 10                                                                                                                                                                                                                              | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 100 | 165 | LVCAN Height Arm Above Ground           | 2 | Unsigned | 0      | 65535      | 0.1  | m   | Value in m * 10                                                                                                                                                                                                                              | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 101 | 166 | LVC Drill RPM                           | 2 | Unsigned | 0      | 65535      | 1    | -   | -                                                                                                                                                                                                                                            | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 102 | 167 | LVC Amount Of Spread Salt Square Meter  | 2 | Unsigned | 0      | 65535      | 0.01 | m   | Value in g/m2                                                                                                                                                                                                                                | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 103 | 168 | LVC Battery Voltage                     | 2 | Unsigned | 0      | 65535      | 0.1  | V   | Value in V * 10                                                                                                                                                                                                                              | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 104 | 169 | LVC Amount Spread Fine Grained Salt     | 4 | Unsigned | 0      | 4294967295 | 0.1  | t   | Value in tons * 10                                                                                                                                                                                                                           | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 105 | 170 | LVCAN Amount Spread Coarse Grained Salt | 4 | Unsigned | 0      | 4294967295 | 0.1  | t   | Value in tons * 10                                                                                                                                                                                                                           | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 106 | 171 | LVCAN Amount Spread DiMix               | 4 | Unsigned | 0      | 4294967295 | 0.1  | t   | Value in tons * 10                                                                                                                                                                                                                           | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 107 | 172 | LVCAN Amount Spread Coarse Grained Calc | 4 | Unsigned | 0      | 4294967295 | 0.1  | m3  | Value in m3 * 10                                                                                                                                                                                                                             | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 108 | 173 | LVCAN Amount Spread Calcium Chloride    | 4 | Unsigned | 0      | 4294967295 | 0.1  | m3  | Value in m3 * 10                                                                                                                                                                                                                             | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 109 | 174 | LVCAN Amount Spread Sodium Chloride     | 4 | Unsigned | 0      | 4294967295 | 0.1  | m3  | Value in m3 * 10                                                                                                                                                                                                                             | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 110 | 176 | LVCAN Amount Spread Magnesium Chloride  | 4 | Unsigned | 0      | 4294967295 | 0.1  | m3  | Value in m3 * 10                                                                                                                                                                                                                             | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 111 | 193 | LVCAN Amount Spread Gravel              | 4 | Unsigned | 0      | 4294967295 | 0.1  | t   | Value in tons * 10                                                                                                                                                                                                                           | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 112 | 178 | LVCAN Amount Spread Sand                | 4 | Unsigned | 0      | 4294967295 | 0.1  | t   | Value in tons * 10                                                                                                                                                                                                                           | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 113 | 183 | LVCAN Width Pouring Left                | 2 | Unsigned | 0      | 65535      | 0.01 | m   | Value in m * 100                                                                                                                                                                                                                             | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 114 | 184 | LVCAN Width Pouring Right               | 2 | Unsigned | 0      | 65535      | 0.01 | m   | Value in m * 100                                                                                                                                                                                                                             | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 115 | 185 | LVCAN Salt Spreader Work Hours          | 4 | Unsigned | 0      | 4294967295 | 0.1  | h   | Value in h * 10                                                                                                                                                                                                                              | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 116 | 186 | LVCAN Distance During Salting           | 4 | Unsigned | 0      | 4294967295 | 0.1  | km  | Value in km * 10                                                                                                                                                                                                                             | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 117 | 187 | LVCAN Load Weight                       | 4 | Unsigned | 0      | 4294967295 | 1    | kg  | Value in kg                                                                                                                                                                                                                                  | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 118 | 188 | LVC Retarder Load                       | 1 | Unsigned | 0      | 255        | 1    | %   | Valid range: 0 - 125%                                                                                                                                                                                                                        | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 119 | 189 | LVC Cruise Time                         | 4 | Unsigned | 0      | 4294967295 | 1    | min | Value in min                                                                                                                                                                                                                                 | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 120 | 190 | LVC CNG Status                          | 1 | Unsigned | 0      | 255        | 1    | -   | 0 - engine not on CNG<br>1 - engine not on CNG                                                                                                                                                                                               | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 121 | 191 | LVC CNG Used                            | 4 | Unsigned | 0      | 4294967295 | 1    | kg  | Value in kg * 10                                                                                                                                                                                                                             | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 122 | 192 | LVC CNG Level                           | 2 | Unsigned | 0      | 65535      | 1    | %   | Value in % * 10                                                                                                                                                                                                                              | FM3612, FM36M1 | ALLCAN300/LVCAN200 I/O elements |
| 123 | 155 | Geofence zone 01                        | 1 | Unsigned | 0      | 1          | 1    | -   | Event:<br>0 - target left zone,<br>1 - target entered zone                                                                                                                                                                                   | FM3612, FM36M1 | Eventual I/O elements           |
| 124 | 156 | Geofence zone 02                        | 1 | Unsigned | 0      | 1          | 1    | -   | Event:<br>0 - target left zone,<br>1 - target entered zone                                                                                                                                                                                   | FM3612, FM36M1 | Eventual I/O elements           |
| 125 | 157 | Geofence zone 03                        | 1 | Unsigned | 0      | 1          | 1    | -   | Event:<br>0 - target left zone,<br>1 - target entered zone                                                                                                                                                                                   | FM3612, FM36M1 | Eventual I/O elements           |

|     |     |                     |   |          |   |       |   |   |                                                                                                                                                 |                |                       |
|-----|-----|---------------------|---|----------|---|-------|---|---|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------|
| 126 | 158 | Geofence zone 04    | 1 | Unsigned | 0 | 1     | 1 | - | Event:<br>0 - target left zone,<br>1 - target entered zone                                                                                      | FM3612, FM36M1 | Eventual I/O elements |
| 127 | 159 | Geofence zone 05    | 1 | Unsigned | 0 | 1     | 1 | - | Event:<br>0 - target left zone,<br>1 - target entered zone                                                                                      | FM3612, FM36M1 | Eventual I/O elements |
| 128 | 175 | Auto Geofence       | 1 | Unsigned | 0 | 1     | 1 | - | Event:<br>0 - target left zone,<br>1 - target entered zone                                                                                      | FM3612, FM36M1 | Eventual I/O elements |
| 129 | 177 | Idling              | 1 | Unsigned | 0 | 1     | 1 | - | 1 - idling start,<br>0 - idling stop                                                                                                            | FM3612, FM36M1 | Eventual I/O elements |
| 130 | 249 | Jamming detection   | 1 | Unsigned | 0 | 1     | 1 | - | 0 - not jammed,<br>1 - jammed                                                                                                                   | FM3612, FM36M1 | Eventual I/O elements |
| 131 | 250 | Trip                | 1 | Unsigned | 0 | 1     | 1 | - | 1 - trip start,<br>0 - trip stop                                                                                                                | FM3612, FM36M1 | Eventual I/O elements |
| 132 | 251 | Immobilizer         | 1 | Unsigned | 0 | 1     | 1 | - | 1 - iButton connected                                                                                                                           | FM3612, FM36M1 | Eventual I/O elements |
| 133 | 252 | Authorized driving  | 1 | Unsigned | 0 | 1     | 1 | - | 1 - authorized iButton connected                                                                                                                | FM3612, FM36M1 | Eventual I/O elements |
| 134 | 253 | Green driving type  | 1 | Unsigned | 0 | 10    | 1 | - | 1 - harsh acceleration,<br>2 - harsh braking,<br>3 - harsh cornering                                                                            | FM3612, FM36M1 | Eventual I/O elements |
| 135 | 254 | Green driving value | 1 | Unsigned | 0 | 10000 | 1 | - | Depending on green driving type: if harsh acceleration or braking - g*100 (value 123 -> 1.23g), if harsh cornering - degrees (value in radians) | FM3612, FM36M1 | Eventual I/O elements |
| 136 | 255 | Over Speeding       | 1 | Unsigned | 0 | 400   | 1 | - | At over speeding start km/h, at over speeding end km/h                                                                                          | FM3612, FM36M1 | Eventual I/O elements |
| 137 | 247 | Crash Detection     | 1 | Unsigned | 0 | 1     | - | - | 1 - Crash detected,<br>0 - no crash,                                                                                                            | FM3612, FM36M1 | Eventual I/O elements |