

Group 0 - Electronics

Polarity N°	Designation
0010	Communication bus J1587-1 (+ signal)
0011	Communication bus J1587-1 (- signal)
0012	Communication bus J1939-1 (+ signal)
0013	Communication bus J1939-1 (- signal)
0014	Not assigned
0015	Radio remote control
0016	Radio remote control
0017	Radio remote control
0018	Radio remote control
0019	Radio remote control
0020	Radio remote control
0021	“ZF” communication bus (+ signal)
0022	“ZF” communication bus (- signal)
0023	Power supply relay control by vehicle management ECU
0024	Injection pump and camshaft speed sensor information (electronic injection / - signal)
0025	Injection pump and camshaft speed sensor information (electronic injection / + signal)
0026	Gear lever communication bus (+ signal)
0027	Hydraulic retarder proportional solenoid valve control
0029	Hydraulic retarder oil boosting solenoid valve control
0031	Hydraulic retarder coolant temperature information
0032	Hydraulic retarder coolant temperature information
0038	Retarder manual control (analogue signal)
0039	Alarm siren activation and/or disabling encoded line
0045	Communication bus for EBS trailer socket (+ signal)
0046	Communication bus for EBS trailer socket (- signal)
0056	Vehicle speed sensor encrypted data line
0057	Information display pull-down menu sequence change signal
0058	Information display pull-down menu sequence change signal
0061	Gearbox input shaft speed information (+ signal)
0062	Gearbox input shaft speed information (- signal)
0063	Automatic gearbox casing oil level sensor power supply
0064	Automatic gearbox identification line

0065	Automatic gearbox casing oil temperature sensor information
0066	Automatic gearbox casing oil level sensor information
0067	Communication bus J1587 for gearbox diagnostic socket (+ signal)
0068	Communication bus J1587 for gearbox diagnostic socket (- signal)
0069	Gearbox speed selector data bit 1
007	Accelerator pedal potentiometer power supply
0070	Gearbox speed selector data bit 2
0071	Gearbox speed selector data bit 4
0072	Gearbox speed selector data bit 8
0073	Gearbox speed selector data parity bit
0074	Link between gearbox ECU and gear lever display
0075	Automatic gearbox gear lever information in input mode on gearbox ECU
0076	Automatic gearbox hydraulic pressure sensor information
0084	Automatic gearbox output speed sensor information (- signal)
0086	Automatic gearbox temperature sensor information
0087	Automatic gearbox turbine speed sensor information
0088	Automatic gearbox output speed sensor information (+ signal)
0089	Retarder coolant temperature sensor information
0100	Onboard management data transmission bus (+ signal)
0101	Onboard management data transmission bus (- signal)
0102	Onboard management data reception bus (+ signal)
0103	Onboard management data reception bus (- signal)
0104	Communication bus J1587-2 (+ signal)
0105	Communication bus J1587-2 (- signal)
0107	RH front brake pads wear analogue sensor earth
0108	RH front brake pads wear analogue sensor information
0109	RH front brake pads wear analogue sensor power supply (+5V)
011	Humidity sensor information
0114	Temperature sensor analogue signal for adjusting exhaust gases (EGR)
0116	Coolant temperature sensor analogue signal
0117	Pusher or follower rear axle angle sensor minimum voltage
0118	Pusher or follower rear axle angle sensor maximum voltage
0119	Front axle angle sensor minimum voltage
0120	Front axle angle sensor minimum voltage
0123	Red LED indicating that vehicle alarm is set (+) power supply

0127	Alarm ultrasonic reception (RX+ signal)
0128	Alarm ultrasonic reception (RX- signal)
0129	Alarm ultrasonic transmission (RX+ signal)
0130	Alarm ultrasonic transmission (RX- signal)
0143	Engine crankcase pressure sensor information
0144	Fuel pressure sensor information
0145	Available power supply (earth delivered by ECU for on-chassis engine stop control)
0146	Available power supply (Information requested by for on-chassis engine stop control)
0147	Communication bus between EBS ECU and front module (- signal)
0148	Communication bus between EBS ECU and front module (+ signal)
0149	Communication bus between EBS ECU and first additional module (- signal)
0150	Communication bus between EBS ECU and first additional module (- signal)
0151	Engine coolant level sensor information
0160	LH front brake pads wear analogue sensor earth
0161	LH front brake pads wear analogue sensor information
0162	LH front brake pads wear analogue sensor power supply (+5V)
0163	First axle RH rear brake pads wear analogue sensor earth
0164	First axle RH rear brake pads wear analogue sensor information
0165	First axle RH rear brake pads wear analogue sensor power supply (+5V)
0166	First axle LH rear brake pads wear analogue sensor earth
0167	First axle LH rear brake pads wear analogue sensor information
0168	First axle LH rear brake pads wear analogue sensor power supply (+5V)
0169	Second axle RH rear brake pads wear analogue sensor earth
017	Accelerator pedal position potentiometer information
0170	Second axle RH rear brake pads wear analogue sensor information
0171	Second axle LH rear brake pads wear analogue sensor power supply (+5V)
0172	Second axle LH rear brake pads wear analogue sensor earth
0173	Second axle LH rear brake pads wear analogue sensor information
0174	Second axle LH rear brake pads wear analogue sensor power supply (+5V)
0175	First rear axle RH speed sensor information
0176	First rear axle RH speed sensor information
0177	First rear axle LH speed sensor information
0178	First rear axle LH speed sensor information
0180	RH rear brake pads wear analogue sensor earth on PUSHER additional module
0181	RH rear brake pads wear analogue sensor information on PUSHER additional module

0182	RH rear brake pads wear analogue sensor power supply (+5V) on PUSHER additional module
0183	LH rear brake pads wear analogue sensor earth on PUSHER additional module
0184	LH rear brake pads wear analogue sensor information on PUSHER additional module
0185	LH rear brake pads wear analogue sensor power supply (+5V) on PUSHER additional module
0186	LH rear brake pads wear analogue sensor earth on PUSHER additional module
0187	RH rear brake pads wear sensor information (follower axle module)
0188	RH rear brake pads wear sensor power supply (+5V) (follower axle module)
0189	LH brake pads wear sensor earth (follower axle module)
0190	LH brake pads wear sensor information (follower axle module)
0191	LH brake pads wear sensor power supply (+5V) (follower axle module)
0192	“Driver’s side hand presence” door sensor information (+ signal)
0193	“Driver’s side hand presence” door sensor power supply
0194	“Driver’s side hand presence” door sensor information (- signal)
0195	“Driver’s side hand presence” door sensor information (+ signal)
0196	“Passenger’s side hand presence” door sensor power supply
0197	“Passenger’s side hand presence” door sensor information (- signal)
0198	Driver’s side door antenna (+ signal)
0199	Driver’s side door antenna (- signal)
0200	Passenger’s side door antenna (+ signal)
0201	Passenger’s side door antenna (- signal)
0202	Cab antenna 1 (+ signal)
0203	Cab antenna 1 (- signal)
0204	Cab antenna 2 (+ signal)
0205	Cab antenna 2 (- signal)
0206	Communication bus J1939-6 (+ signal)
0207	Communication bus J1939-6 (- signal)
0208	Communication bus J1587 (+ signal)
0209	Communication bus J1587 (- signal)
0212	Cruise control analogue sensor power supply
022	Accelerator pedal position potentiometer information
028	Cruise control ON/OFF control
029	Cruise control ON/OFF control
03	Rear stop lights power supply (12N socket)
030	RH rear direction indicator light power supply (12N socket)
0307	Rear fog lights power supply (12N socket)

0308	LH rear direction indicator light power supply (12N socket)
031	Cruise control signal
032	Engine oil temperature information with electronic fuel-injection system
033	Intake air temperature information with electronic fuel-injection system
034	Intake air temperature information (P2) with electronic fuel-injection system
0374	Encoded link between radio frequency receiver and alarm
0375	Hazard lights control by radio frequency receiver and/or alarm
0376	EBS module pressure sensor power supply for trailer control
0377	EBS module pressure sensor information for trailer control
0380	EBS module pressure sensor earth for trailer control
0381	Communication bus between EBS ECU and second additional module (- signal)
0382	Communication bus between EBS ECU and second additional module (+ signal)
0384	"PTO" control signal input for engine speed control (customer's pre-arrangement)
039	Brake pedal position sensor information with EBS system
040	Brake pedal position sensor information with EBS system
0403	Encoded tractor/trailer link between alarm and freight protection module
0405	Tachograph serial data bus for fleet management
041	Line K information for diagnostic socket
0411	Communication bus J1939-2 (+ signal)
0412	Communication bus J1939-2 (- signal)
0413	Communication bus for bodybuilding or fleet management (- signal)
0414	Communication bus for bodybuilding or fleet management (+ signal)
0415	Communication bus between EBS ECU and on-chassis acceleration sensor (+ signal)
0416	Communication bus between EBS ECU and on-chassis acceleration sensor (- signal)
0424	Communication bus J1939 for docking radar (+ signal)
0425	Communication bus J1939 for docking radar (- signal)
045	Cruise control deceleration control
0460	Switch-operated control (bodybuilder's pre-arrangement)
0461	Switch-operated control (bodybuilder's pre-arrangement)
0462	Communication bus for vehicle OBD data socket (+ signal)
0463	Communication bus for vehicle OBD data socket (- signal)
0464	Diesel fuel particulate filter temperature sensor power supply
0465	Diesel fuel particulate filter temperature sensor power supply
047	Cruise control acceleration control
052	Flywheel engine speed sensor information (+ signal)

055	Flywheel engine speed sensor information (- signal)
056	Brake pedal position sensor power supply (+5V)
057	EBS system load sensor information
0608	Reversing lights power supply (12N socket)
0632	Rear marker lights power supply (12N socket)
064	Communication bus between EBS ECU and double rear module (- signal)
066	Communication bus between EBS ECU and double rear module (+ signal)
071	EBS system load sensor earth
072	EBS ECU earth for brake valve
073	EBS system load sensor power supply (+5V)
077	Accelerator pedal position sensor information (rest position)
079	Variable-drive fan power supply
080	Engine oil pressure sensor earth
081	Engine oil pressure sensor power supply
082	Communication bus between gear selector and automatic gearbox ECU (+ signal)
083	Communication bus between gear selector and automatic gearbox ECU (- signal)
084	Shunt between gearbox ECU terminal 66 and 26
0801	Communication bus J1587 for adaptive cruise control system (+ signal)
0802	Communication bus J1587 for adaptive cruise control system (- signal)
0803	Information from cruise control system
0804	Information from cruise control system
0805	Information from cruise control system
0806	Information from cruise control system
0807	Information from cruise control system
0808	Information from cruise control system
0809	Information from cruise control system
0810	Gearbox output speed information (+ signal)
0811	Gearbox output speed information (- signal)
0812	First front axle RH roadwheel speed sensor information (+ signal)
0813	First front axle RH roadwheel speed sensor information (- signal)
0814	Second front axle RH roadwheel speed sensor information (+ signal)
0815	Second front axle RH roadwheel speed sensor information (- signal)
0816	First front axle LH wheel speed sensor information (+ signal)
0817	First front axle LH wheel speed sensor information (- signal)
0818	Second front axle LH wheel speed sensor information (+ signal)

0819	Second front axle LH wheel speed sensor information (- signal)
0820	First front axle RH wheel speed sensor information (+ signal)
0821	First front axle RH wheel speed sensor information (- signal)
0822	First front axle LH wheel speed sensor information (+ signal)
0823	First front axle LH wheel speed sensor information (- signal)
0833	Inclination sensor power supply (+)
0834	Inclination sensor information
0835	Inclination sensor power supply (-)
0836	Clutch position sensor power supply (+)
0837	Clutch position sensor information
0838	Clutch position sensor power supply (-)
0839	Parking brake control power supply (-)
0840	Parking brake control potentiometers N° 1 & 2 power supply
0841	Parking brake wake-up contact power supply
0842	Parking brake control potentiometer N° 1 information
0843	Parking brake control potentiometer N° 2 information
0844	Parking brake unlocking switch N° 1 information
0845	Parking brake unlocking switch N° 2 information
0846	Parking brake module air pressure sensor power supply (+)
0847	Parking brake module air pressure sensor power supply (-)
0848	Parking brake module air pressure sensor information
085	Rail pressure sensor information
087	Engine oil pressure sensor information
088	Retarder torque sensor information

Group 1 - Earths and negative power supplies

Polarity N°	Designation
1	Vehicle general earth
11	Microphone (- signal)
12	Gearbox neutral position sensor information
13	Engine water circuit by-pass solenoid valve control
14	AdBlue heating resistor control (in circuit from tank to pump module)
15	AdBlue heating resistor control (in circuit from pump module to dosing solenoid valve)
16	AdBlue heating resistor control (in circuit from dosing solenoid valve to pump module)
17	AdBlue heating resistor control (in circuit from pump module to tank)
18	12 Volts socket earth (multi-pass cab option)
19	AdBlue heating resistor control (in filter, on pump)
101	Humidity sensor power supply (-)
104	Two-tone horn power supply (-)
106	Assistance control information
119	"Front door open" position sensor information for lighting (overhead light, stepwell light, locker lights, ambient lighting...)
123	Clutch pedal position sensor information
124	12 volts power socket earth
130	Overhead lights lighting earth (after master switch)
131	Communication bus between gear selector and ECU (- signal)
132	Communication bus between gear selector and ECU (+ signal)
141	Tachograph speed sensor information
142	Tachograph speed sensor information
144	Voltage converter earth for CB power supply
147	Master switch coil control
148	Master switch control
151	Available power supply (rear compartment open warning light)
152	Overhead lights earth
155	Voltage converter earth for radiotelephone power supply
156	Transfer box "low speed" information
157	Front wheels diff lock information
158	Transfer box PTO engaged information
159	Transfer box diff lock information

169	Doors central locking electronic box inhibition earth (presence of key in ignition switch)
173	N° 1/2/3 cylinder injectors earth (line 1)
174	N° 4/5/6 cylinder injectors earth (line 1)
183	Hydraulic retarder proportional solenoid valve earth
184	Hydraulic retarder charge accumulator solenoid valve earth
193	Earth between A/C ECU and fan management ECU
197	Master switch relay earth
198	Battery charging receptacle earth
1001	Front spotlight earth
1006	Exhaust brake solenoid valve N° 2 control earth
1007	Exhaust brake solenoid valve N° 2 control earth
1008	Exhaust brake electrovalve power supply (-)
1010	Fan electric clutch pilot-control earth
1012	EBS system solenoid valve earth
1018	Reversing lights relay control earth
1019	12 volts socket voltage converter earth
1020	Rear, doors opening/closing information
1021	Rear overhead lights power supply (-)
1025	Corrected vehicle speed information
1026	Engine speed regulation control (first selection)
1029	Automatic gearbox solenoid valve earth
1030	Automatic gearbox solenoid valve earth
1031	Automatic gearbox solenoid valve earth
1032	Automatic gearbox solenoid valve earth
1033	Automatic gearbox solenoid valve earth
1034	Automatic gearbox solenoid valve earth
1035	Automatic gearbox solenoid valve earth
1036	Automatic gearbox solenoid valve earth
1037	Automatic gearbox solenoid valve earth
1038	Automatic gearbox solenoid valve earth
1039	Automatic gearbox neutral earth
1043	Automatic gearbox solenoid valve earth
1045	Retarder control selector interface earth
1046	Automatic gearbox solenoid valve earth
1051	Air conditioning cut-out upon engine power loss control

1058	Fuel preheating relay control
1077	Earth delivered by engine management ECU for starting relay control
1081	Piloted axle control sensor earth
1084	Piloted axle control solenoid valve earth
1119	Alarm diode earth
1124	Roadwheels anti-slip sensor earth (ESP)
1140	PTO N° 1 engagement request
1141	Engine speed regulation control (second selection)
1147	Master switch closing control (ADR)
1148	Master switch closing control (ADR)
1149	Master switch warning light earth (ADR)
1150	Alternator earthing relay (-) control (ADR)
1151	N° 1/2/3 cylinder injectors earth (line 2)
1152	Cruise control operating control
1153	N° 4/5/6 cylinder injectors earth (line 2)
1154	Fuel pump control
1155	Air suspension ECU relay control
1156	Water/fuel separator bleeding solenoid valve control
1157	Alarm sound volume reduction control
1159	"Door open" information
1160	Engine retarder VGT2 solenoid valve earth
1161	Information feedback for "difficult terrain" warning light
1162	Turbocharger speed sensor earth
1163	Master switch diode earthing (ADR)
1164	Electrical master switch relay earthing (ADR)
1165	Single "H" solenoid valve N° 1 earthing
1166	Single "H" solenoid valve N° 2 earthing
1167	AdBlue tank level and temperature sensor earth
1168	AdBlue tank level and temperature sensor power supply (+5V)
1180	Driver presence in seat sensor power supply (-)
1200	Gearbox neutral position sensor information (after diode)

Group 2 - Positive power supplies

Polarity N°	Designation
2	(+) power supply capable of being cut by master switch
20	Microphone (+ signal)
21	Urea heating resistor N° 1 (+) power supply
22	Key switch relay excitation (after ignition position)
23	Urea heating resistor N° 2 (+) power supply
24	(+) power supply after ignition (air management ECU, information display, alarm, engine immobilizer, doors central locking)
25	Battery charge, alternator terminal A+, engine running warning light
26	Charging socket (+) power supply
28	Hydraulic pump power supply
200	Radio antenna power supply (+12V)
201	(+) power supply not cut by master switch
202	Full-time (+) power supply (headlights and hazard lights management ECU)
203	(+) power supply not cut by master switch (tachograph)
205	Starter relay control
206	(+) power supply after relay (fan-coil heaters)
208	(+) power supply capable of being cut by master switch (available power supply)
209	Radio antenna coaxial cable signal
210	Radio antenna coaxial cable earth
211	(+) power supply after ignition (ABS/EBS trailer socket)
212	(+) power supply after vehicle management ECU power supply relay
214	Accessories (+) power supply (ignition key position 1)
215	(+) power supply after ignition (rearview mirror defrosting relay, swivelling rearview mirrors control)
216	GPS antenna coaxial cable signal
217	GPS antenna coaxial cable earth
218	GSM antenna coaxial cable signal
219	GSM antenna coaxial cable earth
220	GSM antenna coaxial cable signal (radiotelephone pre-arrangement)
221	GSM antenna coaxial cable earth (radiotelephone pre-arrangement)
229	(+) power supply after ignition (vehicle management ECU, tachograph)
238	(+) power supply after master switch (heated windscreen)
240	Brake pedal position sensor information

243	(+) power supply after ignition (cab tilt relay)
247	(+) power supply capable of being cut by master switch (cab tilting)
260	(+) power supply after air suspension ECU power supply relay
263	Full-time (+) power supply for central locking of electrical locks and electrical master switch control or network isolation relay power supply and electronic master switch if FPT type vehicle
268	Intermediate conductor between battery banks
270	(+) power supply capable of being cut by master switch (automatic gearbox)
273	(+) power supply after ignition (hydraulic retarder)
274	(+) power supply after ignition (air suspension management ECU)
275	(+) power supply after ignition (available power supply)
291	Engine management and vehicle management ECUs electronic fuel-injection function power supply
292	Engine ECU electronic fuel-injection function digital power supply
293	N° 1 cylinder injector control (line 1)
294	N° 3 cylinder injector control (line 1)
295	N° 2 cylinder injector control (line 1)
296	N° 5 cylinder injector control (line 1)
297	N° 6 cylinder injector control (line 1)
298	N° 4 cylinder injector control (line 1)
2000	(+) power supply after heated windscreen resistor fuse
2005	Brake pedal position sensor information
2014	(+) power supply after ignition (air conditioning/heating)
2016	Information between air conditioning control and ventilation control ECU.
2017	Information between air conditioning control and ventilation control ECU.
2018	Information between air conditioning control and ventilation control ECU.
2023	(+) power supply after master switch for retarder
2025	(+) power supply after ignition for ABS and/or EBS system
2050	Auto/manual retarder mode request
2056	(+) power supply capable of being cut by master switch
2057	on-chassis (+) power supply (bodybuilder's pre-arrangement)
2069	Automatic gearbox solenoid valve (+) power supply
2070	Automatic gearbox solenoid valve (+) power supply
2071	Automatic gearbox solenoid valve (+) power supply
2072	Automatic gearbox solenoid valve (+) power supply
2088	Automatic gearbox solenoid valve (+) power supply
2093	Power supply after master switch

2109	Air suspension ECU remote control electrical socket (+) power supply
2117	(+) power supply after ignition
2119	Master switch opening condition (ADR)
2120	(+) power supply after master switch (available power supply)
2121	(+) power supply after ignition (diff lock control, PTO electrovalves)
2122	(+) power supply after ignition (vehicle management ECU)
2123	(+) power supply after ignition (engine speed regulation adjustment, water/fuel separator bleed solenoid valve, auto/manual selection)
2124	Accelerator and clutch pedals position sensor power supply
2125	(+) power supply after bodybuilder's pre-arrangements ECU relay
2126	Alternator earthing relay (+) power supply (ADR)
2127	(+) power supply after automatic gearbox ECU relay
2128	Night lighting power supply (available power supply)
2132	Batteries DC (+) power supply (independent heating)
2220	Winch power supply
2221	(+) power supply after master switch (available for bodybuilding and/or parking socket)
2222	(+) power supply for all power fuses (alternator output B+)
2223	(+) power supply before master switch (flasher unit and power fuses box)
2224	(+) power supply after master switch (air preheating)
2226	Alternator excitation earthing upon opening of master switch
2227	(+) power supply before master switch (engine immobilizer electronic box, automatic gearbox ECUs)
2229	Alternator-controlled (+) power supply (engine running)
2230	(+) power supply after master switch (air production management ECU)
2231	Accessories (+) power supply (sun-roof and headlamps ride corrector)
2232	Accessories (+) power supply (electrically-operated windows)
2233	(+) power supply after master switch
2234	(+) power supply after ignition (in-cab bodybuilder's pre-arrangements)
2235	Vehicle management ECU "wake-up" (+) power supply
2302	(+) power supply after master switch (refrigerator and voltage dropper)
2303	Alarm siren and piloted axle ECU power supply
2304	(+) power supply after master switch (independent heating)
2306	(+) power supply after master switch (independent heating)
2307	"Batteries being charged" information (engine running)
2309	(+) power supply after master switch (EBS electronic box ECU)
2310	(+) power supply after ignition (onboard management ECU and doors management ECU)

2311	(+) power supply after ignition (available power supply)
2312	(+) power supply after ignition (onboard management ECU)
2315	Accessories power supply (bodybuilder's pre-arrangement)
2316	(+) power supply after master switch (lighting and signalling management ECU)
2317	(+) power supply after ignition (reversing lights and bodybuilder's pre-arrangements relay)
2318	"Panic / alarm" system control
2319	Alarm sound volume reduction information
2320	Automatic gearbox ECU power supply relay control
2323	Engine coolant fan motor power supply
2325	Power supply after ignition (gear selector)
2327	(+) power supply after master switch (onboard management system)
2328	Batteries DC power supply
2328	Alimentation (+) directe batterie après interrupteur général de l'équipement ADR
2329	(+) power supply vehicle management ECU relay
2330	Jake brake relay power supply
2331	24 Volts dashboard socket and 24V/12V voltage converter power supply
2332	Air conditioning electronic management power supply
2334	Driver presence in seat sensor power supply power supply (+)
2930	N° 1 cylinder injector control (line 2)
2940	N° 3 cylinder injector control (line 2)
2950	N° 2 cylinder injector control (line 2)
2960	N° 5 cylinder injector control (line 2)
2970	N° 6 cylinder injector control (line 2)
2980	N° 4 cylinder injector control (line 2)
2981	Optiroll mode request

Group 3 - Signalling

Polarity N°	Designation
3	Stop lights power supply
30	Trailer RH side direction change indicator lights power supply
31	Hazard lights control
32	Vehicle RH side direction change indicator lights control
33	Vehicle LH side direction change indicator lights control
34	Day/night function tell-tale light power supply
36	Hazard lights warning light control
37	RH front direction change indicator lights and side repeaters power supply
38	RH rear direction change indicator lights power supply
39	LH front direction change indicator lights and side repeaters power supply
301	LH rear direction change indicator lights power supply
302	LH front direction change indicator lights and side repeaters power supply
303	Parking lights lighting relay control
304	RH side parking lights and marker lights power supply
305	LH side parking lights and marker lights power supply
306	(+) power supply before rear fog lights fuse
307	Rear fog lights power supply
310	(+) power supply after master switch (horn)
311	Horn power supply
312	Horn relay control
313	Parking lights lighting control
320	Day/night function relay control
321	(+) power supply after master switch (illuminated warning)
322	Illuminated warning relay control (revolving beacons, illuminated "D" signs...)
323	Illuminated warning power supply
352	Trailer EBS system state of activation information
370	Rear fog lights lighting relay control
373	(+) power supply after master switch (steering wheel fingertip controls – main beam headlights lighting)
374	Encoded line between alarm ECU and doors central locking ECU
386	“Heated rearview mirrors” function activation request
388	12 Volts power supply coming from voltage converter for headlamps ride correctors

389	Penetration lights pre-arrangement and front grille identification lights power supply
390	Two-tone horn power supply

Group 4 - Comfort accessories

Polarity N°	Designation
4	Heated rearview mirrors resistors and windscreen defrosting controls power supply
41	12V power supply for 12 Volts socket (multi-pass cab option)
43	Air conditioning fan power supply relay control
45	(+) power supply after master switch (overhead lights)
46	12V power supply after 24V/12V converter for radiotelephone
47	Accessories power supply (headlamps ride correctors motor)
402	Driver's side window winder motor power supply
403	Driver's side window winder motor power supply
404	Auxiliary audio input, LH side
405	Auxiliary audio input, RH side
406	Auxiliary audio inputs earth
407	Auxiliary audio inputs diagnostic line
413	Independent heating fuel pump motor (-) power supply
414	Independent heating fuel pump motor (+) power supply
428	Swivelling rearview mirrors motors (-) power supply
429	Swivelling rearview mirrors motors (+) power supply
430	RH swivelling rearview mirror vertical movement motor (+) power supply
431	LH swivelling rearview mirror horizontal movement (+) power supply
432	RH swivelling rearview mirror horizontal movement (+) power supply
433	Passenger's side electrically-operated front curtains motor control
434	Link between passenger's side switch and driver's side curtains control switch
435	Link between passenger's side switch and driver's side curtains control switch
436	Switch-operated order for locking electric door strikers
437	Headlamps ride adjustment
443	Passenger's side electrically-operated front curtains motor control
444	LH front loudspeaker earth
445	Rear loudspeaker power supply (+), RH side
446	Rear loudspeaker power supply (-), RH side
447	LH front loudspeaker power supply
448	RH front loudspeaker power supply
449	Rear loudspeaker power supply (+), LH side
450	Rear loudspeaker power supply (-), LH side

451	LH front loudspeaker power supply
452	(+) power supply after master switch (diagnostic and data extraction sockets)
454	Windscreen electrically-operated curtains motor control
455	Windscreen electrically-operated curtains motor control
456	Accessories power supply (electrically-operated curtains)
462	Power supply after air conditioning compressor "pressure sensor" block fuse
463	(+) power supply after air conditioning compressor "pressure sensor" block fuse (hydraulic retarder, automatic gearbox, horn, fan-coil heater)
469	Link between passenger's side and driver's side window winder motor control switch
470	Link between passenger's side and driver's side window winder motor control switch
476	Independent heating control
484	Switch-controlled doors electric strikers unlocking order
485	Cab tilt pump motor power supply
489	Fan-coil heater pressure sensor power supply
491	Air/water independent heater water distribution solenoid valve control
496	Passenger's side front window winder motor power supply
497	Passenger's side front window winder motor power supply
4000	Passenger's side front window winder motor 12V power supply output for CB radio
4002	Independent heating rheostat adjustment (level 1)
4003	Independent heating timer diagnostic information
4004	Independent heating rheostat adjustment (level 2)
4005	Driver's side electrically-operated curtains motor control
4006	Driver's side electrically-operated curtains motor control
4010	24 Volts dashboard socket power supply
4014	Sun-roof motor control
4015	Sun-roof motor control
4016	Air conditioning compressor clutch relay control
4017	Air conditioning compressor clutch earth
4019	Air conditioning fresh air recycling control (position 3)
4020	Air conditioning fresh air recycling control (position 2)
4021	Air conditioning fresh air recycling control (position 1)
4022	Air conditioning air recycling control position transcription
4023	Information between air conditioning control and fan control ECU
4024	Information between air conditioning control and fan control ECU
4025	Information between air conditioning control and fan control ECU

4026	Air conditioner air outlet setting control
4028	Ventilation unit fresh air recycling control (speed 1)
4029	Link between engine heating switch and engine heating electrovalve pilot-control relay contact
4030	Ventilation unit fresh air recycling control (speed 2)
4050	Ventilation unit fresh air recycling control (speed 3)
4051	12V socket power supply after 12V/24V voltage converter
4052	Air conditioning pressure sensor information (intermediate level)
4053	Overhead lamps lighting earth (before switch)
4055	Passenger's side electrically-operated curtains motor control
4056	Passenger's side electrically-operated curtains motor control
4057	Cab rear electrically-operated curtains motor control
4058	Cab rear electrically-operated curtains motor control
4060	Rearview mirrors defrosting relay control by vehicle management ECU
4065	External loudspeaker power supply (+) (available power supply)
4066	External loudspeaker power supply (-) (available power supply)
4067	External loudspeaker earth braid (available power supply)
4068	Radio "mute" mode control by hands free telephone
4069	Hands free telephone kit input (+ signal)
4070	Hands free telephone kit input (- signal)
4306	Alternator-controlled power supply (engine running)
4308	Cigar lighter power supply
4309	24V/12V voltage converter and onboard radio power supply
4310	Accessories power supply (electrically-operated seats)
4311	Rear doors electric striker locking / unlocking control
4312	Rear doors electric striker locking / unlocking control
4313	Passenger's side front door electric striker locking/unlocking control
4314	Passenger's side front door electric striker locking/unlocking control
4315	Passenger's side front door unlocked information
4316	Driver's side front door electric striker locking/unlocking control
4317	Driver's side front door electric striker locking/unlocking control
4318	Driver's side front door unlocked information
4320	Air conditioning compressor information feedback
4321	Interior lighting control
4322	Stepwells lighting control
4323	CD player control ("CD in" information)

4324	CD player control ("CD out" information)
4325	CD player control ("CD on" information)
4326	CD player control ("CD AF GND" information)
4327	CD player control ("CD AF IN left" information)
4328	CD player control ("CD AF IN right" information)
4440	Interior lighting control two-way switch line
4441	Interior lighting control two-way switch line
4442	Link between dashboard and cab rear switches for sun-roof control
4443	Link between dashboard and cab rear switches for sun-roof control
4460	12V radiotelephone power supply
4461	12V accessories power supply
4462	Independent heating control (ADR)
4463	Air conditioning compressor control
4466	Ambient lighting lamps power supply
4467	Independent heating switch-operated control
4469	Independent heating switch-on
4470	Independent heating control from information display (air/water)

Group 5 - Safety accessories

Polarity N°	Designation
54	Electromagnetic retarder power supply (level 1)
55	Electromagnetic retarder power supply (level 2)
56	Electromagnetic retarder power supply (level 3)
57	Electromagnetic retarder power supply (level 4)
59	Corrected speed information given by tachograph
500	Electronically pilot-controlled electromagnetic retarder switches box relay N° 1 control
501	(+) power supply after fuse (windscreen wiper)
502	Windscreen wiper motor power supply (high speed) after fuse (windscreen wiper)
503	Relay control time-delayed via vehicle management ECU
504	Windscreen wiper motor power supply (low speed)
506	Windscreen wash pump motor power supply
507	Windscreen wiper motor fixed stop power supply
508	Windscreen wiper speed controller power supply
509	Windscreen wiper motor fixed return power supply
510	Headlamps wash pump time-delayed power supply
522	(+) power supply after ignition for trailer socket
539	ABS system LH front inlet electrovalve control
540	ABS system LH front outlet electrovalve control
556	ABS system RH front inlet electrovalve control
557	ABS system RH front outlet electrovalve control
566	Speed limitation system intermediate speed memorization line
588	Electronically pilot-controlled electromagnetic retarder switches box relay N° 2 control
589	Electronically pilot-controlled electromagnetic retarder switches box relay N° 3 control
5021	Gearbox sensor information for superimposition of speeds
5024	Electronically pilot-controlled electromagnetic retarder switches box relay N° 4 control
5025	Electronically pilot-controlled electromagnetic retarder terminal V control
5028	Stop lights relay control by vehicle management ECU
5031	Automatic gearbox ECU power supply (after power relay)
5048	Acceleration module and lockover angle sensor power supply
5050	Trailer EBS module power supply (+24V)
5064	Water in fuel bleeding request
5065	Airbag triggered warning light information

5066	Key presence in ignition switch information (ADR)
5067	Emergency stop switch (ADR)
5068	Emergency stop switch (ADR)
5069	On-chassis emergency stop switch
5070	On-chassis emergency stop switch
5071	Key presence in ignition switch information (ADR)
5072	IVS information
5073	Changeover to difficult terrain mode request
5074	Vehicle immobilization request
5075	Accelerator pedal second rest position sensor information
5077	Brake pedal position sensor information (EBS)
5079	EBS front module power supply (battery voltage)
5080	EBS front module power supply (earth)
5081	EBS rear module power supply (battery voltage)
5082	EBS rear module power supply (earth)
5083	EBS first additional module power supply (battery voltage)
5084	EBS second additional module power supply (earth)
5085	Brake holding authorization control
5086	Brake holding authorization information
5087	EBS second additional module power supply (battery voltage)
5088	EBS second additional module power supply (battery voltage)
5089	Trailer brake EBS information
5091	Air inlet electrovalve control for trailer EBS
5092	Air outlet electrovalve control for trailer EBS
5093	EBS load solenoid valve control for trailer
5094	Headlamps wash pump power supply
5095	Headlamps wash pump relay power supply
5096	High pressure pump power supply
5097	High pressure pump power supply
5098	Fuel heating resistors power supply
5099	Power supply after master switch (battery voltage)
5100	(+) power supply after master switch for airbag ECU
5101	Engine starting relay power supply
5102	Engine starting relay earthing
5108	Road speed information

5109

Link between gear selector and automatic gearbox ECU (information redundancy)

Group 6 - Lighting

Polarity N°	Designation
6	Instrument panel and customer extra lighting fuses (+) power supply
60	(+) power supply after RH and LH side fog driving lights fuse and multi-function information display in service warning light
62	Main beam headlights power supply relay control
64	Switches night lighting and other vehicle controls power supply
65	(+) power supply after fog driving lights fuse
68	Fog driving lights control
69	Fog driving lights control
602	RH main beam headlight (+) power supply after fuse
603	LH main beam headlight (+) power supply after fuse and multi-function information display in service warning light
604	RH dipped beam headlight (+) power supply after fuse
605	LH dipped beam headlight (+) power supply after fuse and multi-function information display in service warning light
606	Working spotlight, valves lighting, trailer sockets lighting... power supply
607	Multi-function information display working spotlight in service warning light
608	Reversing lights power supply
609	Long range driving lights power supply relay control and/or automatic gearbox ECU power supply
610	Main beam headlights relay power supply control
611	RH and LH side long range driving lights (+) power supply after fuse and/or automatic gearbox ECU power supply
612	Long range headlights power supply
613	RH and LH side long range driving lights (+) power supply before fuse
615	Front searchlight (+) power supply after fuse
618	24-way ADR socket power supply for authorization of use of power circuit, valves lighting or van interior lighting power supply
621	(+) power supply after Main beam headlights and van interior lighting relay
623	(+) power supply after fuse (power supply for fire vehicle pre-arrangement)
632	Lighting power supply (+24V) available for customer
634	Trailer sockets power supply (terminal 2 and 6 on 24N socket or 5 and 6 on 15-way socket)
635	Reversing buzzer power supply
640	(+) power supply after rear searchlight fuse
641	Front searchlight 12 Volts power supply
643	Rear searchlight control

644	Rear searchlight 12 Volts power supply
646	Extra lighting control
647	Extra lighting power supply
651	Bodybuilding system in work position information
655	Door open warning light power supply (-)
659	Day/night warning light power supply (+)
661	Reverse gear engaged position sensor information
662	Rear fog lights cut-off
663	Main beam headlights and fog driving lights common power supply
665	Dipped beam headlights power supply relay control
666	(+) power supply after fuse (working spotlight)

Group 7 - Onboard instruments

Polarity N°	Designation
7	Engine speed information (alternator, terminal W information)
71	Pull-down menu 'Raise' request
72	Pull-down menu 'Extend' request
73	Pull-down menu 'Selection' request
74	Pull-down menu 'Lower' request
76	Fuel level sensor information (+ signal)
709	External temperature sensor information (+ signal)
710	External temperature sensor information (- signal)
711	Cab internal temperature sensor information (- signal)
712	Cab internal temperature sensor information (+ signal)
718	Fuel level sensor information (- signal)
719	Power supply after master switch (multi-function information display)
720	Air filter clogging information
766	Fifth wheel position N° 1 sensor digital output
767	Fifth wheel position N° 2 sensor digital output
768	Fifth wheel position N° 3 sensor digital output
775	Driver's seat belt locking information
778	Bit 1 between fleet management ECU and information display information
779	Bit 2 between fleet management ECU and information display information
780	Bit 3 between fleet management ECU and information display information
781	Bit 4 between fleet management ECU and information display information

Group 8 - Auxiliary equipment and monitoring

Polarity N°	Designation
81	Coolant level probe power supply
82	Coolant level probe information
83	Parking brake engaged relay control
84	Construction site mode switch power supply
85	Construction site mode switch information
86	Inter-wheel diff lock control
87	Rear inter-wheel diff lock information
88	Gearbox-driven PTO in service information
89	Independent heating auxiliary pump
803	Air preheating resistors and/or preheating in service power supply
808	Fuel heating resistors power supply
813	Air suspension rear solenoid valve and 6x2 lift-up axle electrovalve control
814	Air suspension RH rear electrovalve control
815	Air suspension LH rear electrovalve control
816	Air suspension front electrovalve control
823	Exhaust brake solenoid valve power supply
824	Charge air pressure limitation control electrovalve power supply
825	(+) power supply for tachograph pulse generator sensors (Euro 2) or (-) power supply for tachograph encryption sensor (as from Euro 3)
829	Servo steering sensors information
846	ASR system control
851	Diagnostic socket information (line K)
867	Brake pads wear sensor information
868	Brake pads wear sensor, RH/LH link on first front axle
869	Oil level probe information (+ signal)
870	Oil level probe information (- signal)
879	Vehicle front suspension level sensor information
880	Vehicle rear suspension level sensor information
881	Vehicle RH rear suspension level sensor information
899	Common point between air suspension RH and LH level and pressure sensors
8020	30 km/h speed limitation control
8040	Brake pads wear sensor, first/second front axle link

8041	Brake pads wear sensor, RH/LH link on first rear axle
8044	Variable-drive fan motor speed sensor earth
8046	Variable-drive fan motor speed sensor power supply
8067	Chassis-mounted engine speed control
8077	Air suspension pressure sensors power supply
8079	Hub-piloted axle oil level sensor information
8080	Control solenoid valve control for LH cornering
8081	Control solenoid valve control for RH cornering
8082	Safety solenoid valve control
8083	Live equipment warning light power supply
8084	Alarm stop control
8085	Gearbox PTO activation information
8093	PTO N° 1 electrovalve control
8098	Rear inter-wheel diff lock information
8100	Available power supply (engine starting request)
8104	Available power supply (engine alert)
8108	Available power supply (engine starting information)
8109	Cab tilt relay control authorization
8110	On-chassis engine stop request
8111	Cab tilt relay control
8112	PTO N° 3 engagement request
8113	PTO N° 2 engagement request
8114	Transfer box neutral selection electrovalve control
8115	PTO N° 3 engagement electrovalve control
8116	Equipment in dangerous position information warning light power supply
8118	Parking brake engaged information
8119	On-chassis engine speed deceleration request
8120	On-chassis engine speed acceleration request
8121	Automatic return to rated engine speed request
8122	Available power supply (PLC min. output N° 1)
8123	Available power supply (PLC min. output N° 2)
8124	Transfer box changeover to low speed request
8125	Transfer box changeover to low speed control
8126	PTO electrovalves diff lock control
8127	Transfer box diff lock engagement request

8128	Rear inter-wheel diff lock control
8129	Rear inter-wheel diff lock solenoid valve control
8131	Available power supply (analogue) or PTO N° 2 solenoid valve control
8132	Available power supply (PLC analogue input N° 2)
8133	CAN bus disabling control
8134	PTO N° 2 engaged information
8136	Engine speed setting control
8137	Suspension level control activation
8138	Suspension level control
8140	Air suspension rear drive axle level sensor earth
8142	Air suspension rear drive axle level sensor power supply
8143	Air suspension remote control (memory position)
8144	Air suspension remote control (lifting position)
8145	Air suspension remote control (lowering position)
8146	Air suspension remote control (memory 2 position)
8147	Air suspension remote control (return to normal position)
8148	Rear axle suspension air spring electrovalve control
8149	Rear axle lift-up air spring electrovalve control
8150	Rear drive axle air inlet/outlet electrovalve control
8151	Second rear axle lifting control
8152	Second rear axle raising control
8153	Load-shedding lift-up axle control
8154	Air suspension remote control (front axle control)
8155	Air suspension remote control (front axle control)
8156	Front axle air suspension pressure sensor information
8157	Lift-up rear axle air suspension pressure sensor information
8158	Rear axle LH side air suspension pressure sensor information
8159	Rear axle RH side air suspension pressure sensor information
8160	Rear axle LH side air suspension pressure sensor information
8161	Available power supply (PTO N° 2 solenoid valve pilot-control)
8165	PTOs N° 1 & 2 engagement electrovalve earth
8166	PTO N° 1 engagement electrovalve control
8167	PTO N° 2 engagement electrovalve control
8169	PTO N° 1 in service information
8170	Available power supply (parameter programmable frequency-related output)

8172	Transfer box neutral position activation control
8173	Double H position sensor information
8174	Fogging pre-arrangement (+ signal)
8175	Fogging pre-arrangement (- signal)
8176	Tank low level pre-arrangement (- signal)
8177	Tank low level pre-arrangement (+ signal)
8178	Difficult terrain idling request
8179	Front axle inter-wheel diff lock solenoid valve control
8180	Brake pads wear sensor, RH/LH link on second front axle
8181	Brake pads wear sensor, first rear axle/second front axle link
8182	Brake pads wear sensor, first/second rear axle link
8183	Brake pads wear sensor, RH/LH rear link on second axle
8185	Automatic gearbox gear selector position information (position 1)
8186	Automatic gearbox gear selector position information (position 2)
8187	Automatic gearbox gear selector position information (position 3)
8188	Automatic gearbox gear selector position information (position 4)
8189	Automatic gearbox gear selector position information (position 5)
8190	Automatic gearbox gear selector position information (position 6)
8191	Retarder ON control
8192	Axle N° 4 brake air pressure switch
8207	AdBlue dosing solenoid valve control
8208	AdBlue dosing solenoid valve earth
8209	Exhaust gases temperature sensor earth
8210	Exhaust gases temperature sensor power supply
8211	AdBlue tank temperature sensor signal
8212	Exhaust gases temperature after catalytic converter sensor power supply
8213	AdBlue tank level sensor signal
8214	Exhaust gases temperature after catalytic converter sensor earth
8215	Engine cooling circuit by-pass solenoid valve power supply (+)
8216	Engine cooling circuit by-pass solenoid valve power supply (-)
8217	Diagnostic pressure sensor N° 1 information
8218	Diagnostic pressure sensor N° 2 information
8219	Diagnostic pressure sensor N° 3 information
8220	Diagnostic pressure sensor N° 4 information
8221	Gear selector position sensor information

8222	Gear selector position sensor information
8223	Gear selector position sensor information
8224	Gear selector position sensor information
8225	Gear selector position sensor information
8226	60 tonnes safety electrovalve power supply
8227	Forbidden reversing inhibition control
8228	Electric winch winding electrovalve power supply (+)
8229	Electric winch winding electrovalve power supply (+)
8240	Electric parking brake 2-function electrovalve terminal N° 1 power supply
8241	Electric parking brake 2-function electrovalve terminal N° 2 power supply
8242	Trailer test electrovalve power supply (-)
8243	Trailer test electrovalve power supply (+)
8244	Parking brake holding electrovalve power supply (+)
8245	Parking brake holding electrovalve power supply (-)

Group 9 - Free

Polarity N°	Designation
971	Available wire N° 1 - From cab to chassis
972	Available wire N° 2 - From cab to chassis
973	Available wire N° 3 - From cab to chassis
974	Available wire N° 4 - From cab to chassis
975	Available wire N° 5 - From cab to chassis
977	Available wire N° 1 - From dashboard to ledge
978	Available wire N° 2 - From dashboard to ledge
979	Available wire N° 3 - From dashboard to ledge
980	Available wire N° 4 - From dashboard to ledge
981	Available wire N° 5 - From dashboard to ledge
982	Available wire N° 6 - From dashboard to ledge
983	Available wire N° 7 - From dashboard to ledge