

**Document title** Abbreviations of signal and circuit designations for wiring diagrams

**Document number** ov0001p100128dba

OV00.01-P-1001-28DBA	Abbreviations of signal and circuit designations for wiring diagrams		
----------------------	--	--	--

Model

213

up to model year 2021

Abbreviation	Designation	Notes
(-)	Voltage supply, negative	
(+)	Voltage supply, positive	
+/-	Power supply with alternating polarity	
+5V	5 volt positive voltage supply	
+12V	Voltage supply, positive 12 volt	
1.Zyl.	Cylinder 1 glow/spark plug signal	
15	Positive switch battery voltage (switched by K40/8kG)	
15M	Signal, positive switched battery voltage - engine compartment	
15R	Positive switched battery voltage (radio position)	
115V AC1	115 volt AC voltage, connection 1	
115V AC2	115 volt AC voltage, connection 2	
2. Zyl.	Cylinder 2 glow/spark plug signal	
230 V Phase 1	230 volt AC voltage, phase 1	
230 V Phase 2	230 volt AC voltage, phase 2	
230V AC1	230 volt AC voltage, connection 1	
230V AC2	230 volt AC voltage, connection 2	
3. Zyl.	Cylinder 3 glow/spark plug signal	
30	Positive battery voltage (continuous positive)	
30b	Positive battery voltage (ECO start/stop function additional battery)	
30c	Positive battery voltage (via pyrofuse F63 and high-voltage disconnect device S7)	
30g	Positive battery voltage (ECO start/stop function additional battery via load state detection fuse F96)	
30L	Positive battery voltage (headlamps)	
30t	Positive battery voltage (via battery disconnect switch relay K57/4)	
30t_CHARGE	Circuit 30t for charge line	
30t_LIGHT_L	Circuit 30t for illumination on left	
30t_LIGHT_R	Circuit 30t for illumination on right	
30t_MOT	Circuit 30t for swivel motor	
31	Return line to battery negative or ground connection (direct)	
4. Zyl.	Cylinder 4 glow/spark plug signal	
40	Circuit 40	
41	Circuit 41	
49L	Left turn signal lamp	
49R	Right turn signal lamp	
5. Zyl.	Signal, cylinder 5 glow/spark plug	
50	Starter control	
54	Brake pedal signal	
56a	High beam	
56b	Low beam	
58	Position lamp, instrument illumination, taillamp and license plate lamp	
58d	Variable instrument/switch illumination	
58L	Light switch terminal for left position lamps and taillamps	
5V	5 volt positive voltage supply	
6. Zyl.	Cylinder 6 glow/spark plug signal	
87	Positive battery voltage (switched)	
87M	Positive battery voltage (switched) - engine compartment	
87M1	Positive battery voltage (switched) - engine compartment 1	
87M2	Positive battery voltage (switched) - engine compartment 2	
87M3	Positive battery voltage (switched) - engine compartment 3	
87M4	Positive battery voltage (switched) - engine compartment 4	
AM/FM1	Signal, antenna amplifier (amplitude modulation/frequency modulation)	
AMPS/CDMA	AMPS/CDMA signal	
AS_AAV	Signal, fuel tank shutoff valve	
AWL	Signal, exit and warning lamp	
BL_(+)	Brake light	
BUL_(+)	Backup lamp	
BT	Signal, Bluetooth® antenna	
CAN A_H	Head unit CAN High	
CAN A_L	Head unit CAN Low	
CAN-B H	Interior CAN HIGH	
CAN-B_H	Interior CAN HIGH	
CAN-B_L	Interior CAN LOW	

CAN-B L	Interior CAN LOW	
CAN B_H	Interior CAN HIGH	
CAN B_L	Interior CAN LOW	
CAN C_H	Engine CAN High	
CAN-C1_H	Drive train CAN High	
CAN-C1_L		
CAN-C_H	Engine CAN High	
CAN-C_L	Engine CAN Low	
CAN C_L	Engine CAN Low	
CAN C1_H	Drive train CAN High	
CAN C1_L	Drive train CAN Low	
CAN D_H	Diagnostic CAN High	
CAN D_L	Diagnostic CAN Low	
CAN_H	CAN high	
CAN H_H	Vehicle dynamics CAN High	
CAN H_L	Vehicle dynamics CAN Low	
CAN HMI_H	User interface CAN High	
CAN HMI_L	User interface CAN Low	
CAN-I H	Drive train sensor CAN High	
CAN-I L	Drive train sensor CAN Low	
CAN-I_H	Drive train sensor CAN High	
CAN-I_L	Drive train sensor CAN Low	
CAN-L H	Hybrid CAN High	
CAN-L L	Hybrid CAN Low	
CAN I_H	Drive train sensor CAN High	
CAN I_L	Drive train sensor CAN Low	
CAN K_H	Multifunction CAN High	
CAN K_L	Multifunction CAN Low	
CAN_L	CAN low	
CAN L_H	Hybrid CAN High	
CAN L_L	Hybrid CAN Low	
CAN PER_H	Periphery CAN High	
CAN PER_L	Periphery CAN Low	
CAN S1_H	Radar CAN 1 high	
CAN S1_L	Radar CAN 1 low	
CAN S2_H	Radar CAN 2 high	
CAN S2_L	Radar CAN 2 low	
Close(-)	Battery disconnect switch relay (K57/4), output close control	
Close(+)	Battery disconnect switch relay (K57/4), input close control	
COC_Bel.	Warning light switch illumination	
COC_SW	Warning light switch	
CP	Control pilot signal line charging current	
CPCSTOP	CPC emergency shutoff	
Crash	Crash signal	
Crash Analog	Crash signal	
Crash_SL(-)	Crash signal	
Crash_SL(+)	Crash signal	
D-	Data signal -	
D+	Data signal +	
DATA	Data, parking system distance sensor	
DCM	Throttle valve actuator	
DCP	Throttle valve actuator	
Diag.	Diagnosis	
DSRC	DSRC (Dedicated Short Range Communication) antenna signal	
DSRC Rx	DSRC (Dedicated Short Range Communication) antenna signal	
DSRC Tx	DSRC (Dedicated Short Range Communication) antenna signal	
E_A_DST	Pressure sensor downstream of throttle valve	
EGR_SENT	Sensor signal for exhaust gas recirculation actuator	
EKPR	Fuel pump "ON" ground signal	
ELV	Signal for electric steering lock	
ELV_Data	Signal for electric steering lock	
ELV_Sig.	Signal for electric steering lock	
Enable	Enable for 115 volt and 230 volt socket	
ETN_Rx-	Ethernet Receiving (minus)	
ETN_Rx+	Ethernet Receiving (plus)	
ETN_Tx-	Ethernet Transmission (minus)	
ETN_Tx+	Ethernet Transmission (plus)	
F_LIGHT_GND	Function lighting, ground connection	
FLASH	Data transfer input for emergency shutoff	
FLEX E_BM	Chassis FlexRay (low)	
FLEX E_BP	Chassis FlexRay (high)	
FM2	FM 2, AM, CL [ZV] and KEYLESS GO antenna amplifier	

FTDF	Driver door contact switch	
FZV	FM 1, AM, CL [ZV] and KEYLESS GO antenna amplifier	
FLOW	Flow signal, ground current	
G_R_GND	Ground connection, temperature sensor upstream of SCR catalytic converter	
GN	Charge range indicator LED, green (actuation)	
GND	Ground connection	
GND_V	Virtual ground connection	
GPS	GPS (Global Positioning System) signal	
HEAT_(+)	Heating element power supply	
HEAT_GND	Heating element ground connection	
HIGH	High-side actuation/signal	
HD_U	Rear switching module lower sensor	
HSD	Hall sensor	
HV(-)	High voltage (-)	
HV(+)	High voltage (+)	
I_A_EXTS3	Signal, temperature sensor upstream of SCR catalytic converter	
IL	Interlock circuit for high-voltage components	
ILLU_(+)	Illumination actuation	
ILLU_GND	Illumination, ground connection	
Inj.High	Actuation of injection, high	
Inj.Low	Actuation of injection, low	
LH-	Steering wheel heater (ground connection)	
LH+	Steering wheel heater (power supply)	
LIN	LIN (Local Interconnect Network)	
LIN1	Instrument panel LIN	
LINB10	Right rear door LIN	
LINB13	Roof LIN	
LINB14	Alarm system LIN	
LINB15	Battery sensor LIN	
LINB16	Rain and light sensor LIN	
LINB18	Driver seat LIN	
LINB19	Front passenger seat LIN	
LINB26	Massage components LIN	
LINB27	KEYLESS-GO LIN	
LINB28	Heater LIN	
LIN-B31	Right front door ambiance illumination LIN	
LIN-B32	Left rear door ambiance illumination LIN	
LIN-B33	Right rear door ambiance illumination LIN	
LIN-B34	Cockpit ambiance illumination LIN	
LIN-B35	Vehicle interior ambiance illumination LIN	
LIN-B36	Roof ambiance illumination LIN	
LINB5	Left front door LIN	
LINB6	Right front door LIN	
LINB8-2	Climate control LIN 2	
LINB8-3	AC operation LIN	
LINB9	Left rear door LIN	
LINC1	Drive train LIN	
LINE2	Seat occupied recognition LIN	
L1_(+)	Coil 1, power supply	
L2_(+)	Coil 2, power supply	
LIN B15	Battery sensor LIN	
LIN B22	48 V on-board electrical system LIN	
LIN-B8-2	Climate control LIN 2	
LIN-C2	Engine LIN	
LOW	Low-side actuation/signal	
MPAC_W	Multiphase alternating current, phase W	
MPAC_V	Multiphase alternating current, phase V	
MPAC_U	Multiphase alternating current, phase U	
M-(+)	Motor minus (plus)	
M+	Motor plus	
M+(-)	Motor plus (minus)	
Mic+	Microphone (positive)	
MicGND	Microphone (negative)	
MOST	MOST bus	
MOT_(+)	Motor actuation, positive	
MOT_GND	Motor actuation, negative	
MOT_(+)/GND	Engine plus/minus actuation	
MOT_GND/(+)	Engine minus/plus actuation	
MOT	Motor actuation	
Mute	Mute function	
NC	Pin not connected	
NSL	Rear fog lamp actuation	

Open(-)	Battery disconnect switch relay (K57/4), output open control	
Open(+)	Battery disconnect switch relay (K57/4), output open control	
Phase_U	Fuel pump power supply, phase U	
Phase_V	Fuel pump power supply, phase V	
Phase_W	Fuel pump power supply, phase W	
PNOT	Park pawl	
PUMP_GND	Pump actuation via ground connection	
PUMP_(+)	Pump power supply	
I_PUMP	Pump current	
POT	Potential equalization high-voltage components	
POS_(+)	Hall sensor power supply	
POS_1	Sensor 1 position signal	
POS_2	Sensor 2 position signal	
POS_3	Sensor 3 position signal	
POS_GND	Hall sensor ground connection	
PYFDB Hybrid (-)	Hybrid pyrofuse (minus)	
PYFDB Hybrid (+)	Hybrid pyrofuse (plus)	
R1	Sensor excitation 1, electrical machine rotor position sensor	
R2	Sensor excitation 2, electrical machine rotor position sensor	
Radio	Antenna signal, radio	
RD	Charge range indicator LED, red (actuation)	
Res	Reserve slot fuse	
RFL	Actuation of backup lamp	
RFL_(+)	Rear fog lamp	
REF	Measurement reference signal	
REL_(+)	Relay actuation, positive	
RFS	Actuation of backup lamp	
RGB-LIN	Ambiance illumination LIN	
Rx	Receiving	
Rx-	Receiving (-)	
Rx+	Receiving (+)	
SENS_(+)	Sensor power supply	
SENS_GND	Sensor ground connection	
SENS	Sensor signal	
SENS_1	Sensor 1 power supply	
SENS_2	Sensor signal for sensor 2	
SENS_(+)	Sensor power supply	
SENS_GND	Sensor ground connection	
S1	Sensor signal 1, electrical machine rotor position sensor	
S2	Sensor signal 2, electrical machine rotor position sensor	
S3	Sensor signal 3, electrical machine rotor position sensor	
S4	Sensor signal 4, electrical machine rotor position sensor	
SHD	Shielding/plate	
Shield	Shielding	
SIG_GND	Signal via ground connection	
SIG_(+)	Signal via transmit current	
Sig.	Signal	
SIG_1	Signal 1	
SIG_2	Signal 2	
SIG_87	Signal, terminal 87	
SIG_T	Signal, temperature	
SL_L	Left taillamp	
SL_R	Right taillamp	
SW (-)	Signal, 230 volt socket power supply	
SW (+)	Signal, 230 volt socket ground connection	
TEL	Signal, telephone	
Tel. End Call	Telephone, terminate call signal	
TEMP	Temperature signal	
Termination	Termination	
TL_L_(+)	Left taillamp	
TL_R_(+)	Right taillamp	
TR	Termination	
TSI_L_(+)	Left turn signal	
TSI_R_(+)	Right turn signal	
TV1	Signal for TV 1 and DAB Band III antenna amplifier	
TV2	Signal for antenna amplifier	
TV3	Signal for antenna amplifier	
TX-	Transmission (Minus)	
TX+	Transmission (Plus)	
U	Signal	
USB+5V	Universal serial bus 5Volt power supply	
USB3D-	Universal serial bus 3 data -	

USB3D+	Universal serial bus 3 data +	
USBD+	Universal serial bus data +	
V	Signal	
VALVE_GND	Valve actuation via ground connection	
Vbus	Signal	
VCS	Signal	
ViCS12V	12 volt power supply, Vehicle Information and Communication System	
VirtualGND	Ground connection of oxygen sensor upstream of catalytic converter	
W	Signal	
Wake-up	Wake-up signal	
WBK	Warning light switch	
WH	Lock indicator LED lock (actuation)	
W-LAN	Wireless LAN	