



**universally suitable CANBUS-interfaces with 4 or 8 signal outputs**

- S = speed pulses
- rpm = engine r.p.m.
- I = ignition (+15)
- E = engine runs
- R = reversing signal
- L = low beams on
- H = high beams on
- P = parking light on
- B = brake activ
- br = blinker right side on
- bl = blinker left side on

This list shows the following interface types:-

**D / DS= 4 outputs**  
S + L + I + R

**FM / FMS= 4 outputs**  
S + rpm + I + E

**UDS= 8 outputs**  
S + rpm + br + bl + L + H + P + B

For the single car model is indicated, if \* = not all,, or '= only 1, 2= only 2, 3= only 3 outputs are available.

Beside such universally fitting signal converters there are **special solutions** (marked with S ) possible and available **on request**.

**S** indicates that for this car model a special signal converter is required.

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For the single car model is shown, whether CBL1 or/and CBL2 can be installed.

CBL1 is configurated to the car model by PC-software (i.e. 6.5 indicates the device`s hardware required at least).

CBL2 is configurated to the car model by 2 selector screws (i.e. 1-9 figures the selectors' adjustment)



car model	year	--signal converter--			----car alarm----	
		4	4	8	CBL1	CBL2
<b>ALFA ROMEO</b>						
159	2005...				6.5	1-9
Brera	2006...				6.5	1-9
Mito	2008...	DS	FMS		6.5	1-8
Spider	2006...				6.5	1-9
<b>AUDI</b>						
A2	2001-05				4.1	3-A
A3	2003...	D	FM	UDS	4.2	3-A
A4	2002-07	D	FM		5.2	3-8
A4	2007...	DS	FMS		6.27	3-9
A5	2007...	DS <sup>3</sup>	FMS		6.17	3-9
A6	2004...	D	FM	UDS	6.3	3-D
A8	2003...	D	FM		6.20	3-D
Q5	2008...	DS <sup>3</sup>	FMS		6.17	3-9
Q7	2006...	D	FM		6.3	3-D
R8	2007...	VW	S			
S5	2007...				6.17	3-9
TT	2006...	D	FM		6.5	6.5
<b>BENTLEY</b>						
Continental	GT 03...	D	FM			
<b>BMW</b>						
1 - e87	2004...	D	FM	UDS	6.2	2-0
3 - e46	1998-05	D	FM			
3 - e90	2005...	D	FM	UDS	6.2	2-0
5 - e39	2000-03	D <sup>3</sup>	FM			
5 - e60/61	2003...	D	FM	UDS	6.2	2-0
6 - e63/64	2004...	D	FM		6.2	
7 - f01/f02	2009...	D				
X3 e83	2003...	D	FM			
X5 e53	2000-06	D	FM			
X5 e70	2007...	DS	FMS		6.2	2-0
X6 e71	2008...	DS*	FMS <sup>3</sup>			
Z4 e85	2003...	S				
<b>CADILLAC</b>						
BLS	2006...	D <sup>2</sup>	FM <sup>2</sup>			
CTS	2007...	DS <sup>3</sup>	FMS			
<b>CHEVROLET</b>						
Captiva	2007...	DS	FMS		6.13	4-8
<b>CHRYSLER</b>						
300 C	2004...	D	FM			
G.Voyager	2008...	DS	FMS			
PT Cruiser	2006...	D <sup>3</sup>	FM			
Sebring	2007...	D <sup>3</sup>	FM			
<b>CITROEN</b>						
Berlingo	2003-06	D	FM		6.6	
Berlingo	2007...	D	FM	UDS	6.6	2-9
C2	2005...	D'			6.6	2-9
C3	2005...				6.6	2-9
C3 Picasso	2009...			UDS		2-9
C4	2005...	D	FM		6.6	2-9
C4 Picasso	2007...	D	FM		6.6	2-9
C5	2005-08	D	FM		6.6	2-9
C5	2008...	D	FM	UDS	6.6	2-9
C6	2005...	D	FM			
C8	2002...	D	FM		6.20	2-9
C-Crosser	2007...	S <sup>2</sup>	FM <sup>3</sup>		6.20	2-7
Jumper	2006...	D	FM		6.4	2-1
Jumpy	2007...	D	FM		6.6	2-9
Nemo	2008...	S <sup>3</sup>			6.6	1-8
Xsara Picasso	1999	D	FM			
<b>DAIMLER</b>						
Super Eight	2004...	D <sup>2</sup>	FM <sup>2</sup>			
<b>DODGE</b>						
Avenger	2007...	D	FM			
Caliber	2006...	D <sup>3</sup>	FM			
Dakota	1999...	D	FM			
Durango	2006...	D	FM			
Journey	2008...	DS	FMS <sup>2</sup>			
Nitro	2007...	DS	FMS			
Ram Pickup	2005...	D	FM			
<b>FERRARI</b>						
Scaglietti	2008...				6.4	2-3
<b>FIAT</b>						

car model	year	--signal converter--			----car alarm----	
		4	4	8	CBL1	CBL2
<b>FIAT</b>						
500	2007...	DS <sup>3</sup>	FMS		6.4	1-8
Bravo II	2007...	D	FM <sup>3</sup>		6.4	2-3
Chroma	2006...	D	D		6.4	2-2
Dobló	2001...	DS <sup>3</sup>	FM			
Ducato	2006...	D	FM		6.4	2-1
Fiorino	2008...	S <sup>3</sup>			6.6	1-8
Gr. Punto	2005-08	DS	FMS		6.4	1-8
Gr. Punto	2008...	DS	FMS			1-8
Idea	2003-08				6.4	2-2
Idea	2008...					2-2
Linea	2007...				6.4	2-3
Panda	2003...	D	FM		6.4	2-3
Qubo	2008...					1-8
Scudo	2006...	D	FM		6.6	2-9
Sedici	2005	DS <sup>2</sup>	FMS'			
Stilo	2001-05	D'	FM'		6.4	3-3
Stilo	2006...	D'	FM'		6.4	3-4
Ulysse	2002...	D	FM			
<b>FORD</b>						
C-max	2003...	D	D		4.3	1-1
Edge	2007....	D3°	D3°			
F 150	2004...	DS <sup>2</sup>	FMS			
Fiesta	2002-04	D <sup>2</sup>	FM <sup>3</sup>			
Fiesta	2005-08	D <sup>3</sup>	FM <sup>3</sup>		6.17	1-2
Fiesta	2008....	D <sup>3</sup>				1-3
Focus	2005...	D	FM	UDS	4.3	1-1
Fusion	2002-04	D <sup>2</sup>	FM <sup>3</sup>			
Fusion	2005....	D <sup>3</sup>	FM <sup>3</sup>		6.17	1-2
Galaxy	2006....	D	FM			
Ka	2009...					1-8
Kuga	2008...					1-1
Mondeo	2003-06	D <sup>2</sup>	FM <sup>3</sup>			
Mondeo	2007....	D	FM <sup>2</sup>	UDS <sup>6</sup>	6.16	6.16
S-max	2006...	D	D			
Tansit	2006....	D'	FM <sup>2</sup>			
T. Connect	2006....	D <sup>2</sup>	FM <sup>3</sup>			
<b>HONDA</b>						
Accord	2005-08.				6.18	4-B
Accord	2008....	DS <sup>2</sup>	FMS		6.23	4-C
Civic	2005....				6.18	4-A
Civic Hybrid	2007....				6.18	4-A
CR-V	2006....	DS <sup>3</sup>	FMS		6.18	4-A
Insight	2009....	S	S			4-A
Jazz	2008....	S	S			4-A
Pilot	2008....				6.23	4-D
<b>HYUNDAI</b>						
H 300	2008...	S	S			
i20	2009...	S				
i30	2009...	S				
<b>INFINITY</b>						
FX 45	2004....				6.14	3-5
G35	2007....				6.17	1-C
M35	2007....				6.17	1-D
<b>IVECO</b>						
Daily	2006...	D <sup>3</sup>			6.4	2-1
<b>JAGUAR</b>						
S-type	2004....	D <sup>3</sup>	FM			
X-type	2001....	D	FM			
XF	2008....	S				
XJ	2003....	D <sup>2</sup>	FM <sup>2</sup>			
<b>JEEP</b>						
Cherokee Gr.	2005....	DS <sup>3</sup>	FMS			
Commander	2006....	D	FM			
Compass	2007....	D <sup>3</sup>	FM			
Gr.Cherokee	2005....	D	FM			
Patriot	2007....	D <sup>3</sup>	FM			
Wrangler	2007....	DS	FMS			
<b>LAMBORGHINI</b>						
Murcielago	2005....					
<b>LANCIA</b>						



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**FM / FMS= 4 outputs**  
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car model	year	--signal converter--			----car alarm----	
		4	4	8	CBL1	CBL2
<b>LANCIA</b>						
Delta	2008...	D	FM			2-3
Musa	2004...				6.4	2-2 / 3
Phedra	2002...	D	FM			
Ypsilon	2003...				6.4	2-2 / 3
<b>LANDROVER</b>						
Discovery 3	2004...	S				
Freelander2	2007...	S				6-1
RangeRover	2006...	S			6.20	6-0
<b>LEXUS</b>						
GS	2008...				6.23	4-4
IS	2006...				6.23	4-4
LS	2006...				6.23	4-9
LX	2008...				6.23	2-5
RX	2009...	S				
<b>MAZDA</b>						
2	2007....	D <sup>3</sup>	FM <sup>3</sup>			8-1
6	2008....	S	S			8-0
MPV	2006....					8-0
<b>MERCEDES</b>						
A w168	1997-04	D	FM			
A w169	2005....	D	FM		3.0	5-2
B 245	2004....	D	FM	UDS	3.0	5-2
C w203	2001-06	D	FM	UDS	6.5	6.5
C w204	2007....	DS	FMS		6.24	5-1
CL w140	1991-98	D	FM			
CL w221	2006....	S	FM			
CLK c209	2003....	D	FM		3.0	5-1
CLS 219	2004....	D	FM		6.5	
E w211	2003-09	D	FM	UDS	6.5	5-1
E w212	2009....				6.28	5-1
G	1990....	D	FM			
GL 164	2006....	S	S		6.6	5-2
GLK 204	2008....	DS <sup>3</sup>	FMS			
M w163	1998-04	D	FM			
M w164	2005....	S	S		6.6	5-2
R w251	2005....	S	FM		3.0	5-2
S w140	1991-98	D	FM			
S w220	1999-05	D	FM		3.0	
S w221	2006....	DS	FMS <sup>2</sup>		6.28	5-4
SL w230	2001....	D	FM			
SLK r171	2004....	D	FM		3.0	5-1
Sprinter	2000-06	D'				
Sprinter	2006....	D <sup>3</sup>	FM	UDS	3.0	5-2
Vaneo 414	2002....	D	FM			
V / Vito	1999-03	D	FM		4.2	
Viano/Vito	2004....	D	FM	UDS	6.5	5-1
<b>MINI</b>						
Cooper	2007....	D	FM		6.2	2-0
<b>MITSUBISHI</b>						
Colt	2004....	D <sup>2</sup>	FM <sup>3</sup>			
Grandis	2004....	S				
Outlander	2007....	S <sup>2</sup>	FM <sup>3</sup>	UDS	6.20	2-7
<b>NISSAN</b>						
Cabstar	2006....	D <sup>2</sup>	FM <sup>2</sup>			
Interstar	2004....	D <sup>3</sup>	FM			
Micra	2005....				6.9	4-1
Murano	2004....	D <sup>3</sup>	FM		6.28	3-5
Navara	2005....	D'	FM'		6.12	4-7
Note	2006....				6.9	4-1
Pathfinder	2005....	D'	FM'		6.18	4-7
Primastar	2003....	D <sup>3</sup>	FM			
Qashqai	2007....				6.12	4-7
Teana	2007....				6.18	3-6
Tiida	2007....				6.17	4-1
X-Trail	2004....	D <sup>3</sup>	FM <sup>2</sup>		6.12	4-7
<b>OPEL</b>						

car model	year	--signal converter--			----car alarm----	
		4	4	8	CBL1	CBL2
<b>OPEL</b>						
Antara	2007...	DS <sup>3</sup>	FM <sup>3</sup>		6.13	4-8
Astra H	2000-04				4.4	4-2
Astra H	2004-07	D <sup>3</sup>	FM <sup>3</sup>	UDS	4.4	4-3 / 5
Astra	2007....	D <sup>2</sup>	FM <sup>2</sup>		6.17	4-3 / 5
Combo Tour	2004....	D <sup>2</sup>	FM <sup>2</sup>			
Corsa C	2004-05	D <sup>2</sup>	FM <sup>2</sup>			
Corsa D	2006....	DS'	FMS <sup>3</sup>		6.8	4-6
GT	2007....	D'	FMS			
Insignia	2009....	DS <sup>2</sup>	FMS			3-2
Meriva	2004....	D <sup>2</sup>	FM <sup>2</sup>			
Movano	2003....	D <sup>3</sup>	FM			
Signum	2003....			UDS	4.4	4-5
Vectra	2002....	D	FM	UDS	4.4	
Vivaro	2001....	D <sup>3</sup>	FM			
Zafira	2003-05				6.5	4-3 / 5
Zafira	2006....	D <sup>3</sup>	FM <sup>3</sup>	UDS <sup>7</sup>	6.10	4-3 / 5
<b>PEUGEOT</b>						
207	2006....	D	FM		6.6	2-9
307	2001-04	D	FM	UDS		
307	2005....	D	FM		6.6	2-9
308	2007....	D	FM		6.6	2-9
3008	2009....			UDS		2-9
406	2001-04	D <sup>3</sup>	FM <sup>3</sup>			
407	2004....	D	FM		6.6	2-9
4007	2008....	D <sup>2</sup>			6.20	2-7
607	2000-05	D <sup>2</sup>	FM <sup>2</sup>			
607	2005....	D	FM <sup>3</sup>			
807	2002	D	FM		6.6	2-9
Bipper	2008....	S <sup>3</sup>			6.6	1-8
Boxer	2006....	D	FM		6.4	2-1
Expert	2007....	D	FM		6.6	2-9
Partner	2003....	D <sup>3</sup>	FM <sup>3</sup>			
Partner	2007....	D <sup>3</sup>	FM <sup>3</sup>		6.6	2-9
Ranch	2003....	D3*	FM <sup>3</sup>			
<b>PORSCHE</b>						
911 / 997	2004....	S			6.3	0-9
Boxster	2005....	DS	FMS			
Cayenne	2003....	DS	FMS		6.3	10 / 3E
Cayman	2005....	S <sup>3</sup>	S		6.3	0-9
<b>RENAULT</b>						
Clio	2005....	D <sup>3</sup>	FM			
Espace	2002-06	D	FM			
Espace	2006....	D <sup>3</sup>	FM			
Gr.Scénic	2009....	D'				
Kangoo	2003-08	S'	S <sup>2</sup>			
Kangoo	2008....	S	S			
Koleos	2008....	D				
Laguna	2001-07	D <sup>3</sup>	FM <sup>2</sup>	UDS		
Laguna	2007....	DS <sup>3</sup>	FMS			
Mascott	2005....	D'	FM'			
Master	2003....	D <sup>3</sup>	FM			
Master Prop.	2003....	D'	FM'			
Megane	2002-08	D	FM	UDS*		
Mégane	2009....	DS <sup>2</sup>	FMS'			
Modus	2004....	D <sup>3</sup>	FM <sup>3</sup>			
Scenic	2003....	D	FM			
Trafic	2001....	D <sup>3</sup>	FM			
Twingo	2007....	D'	FM <sup>2</sup>			
<b>ROVER</b>						
75	2004....					
<b>SAAB</b>						
9-3	2007....	DS <sup>3</sup>	FMS			
9-5	2006....					
<b>SEAT</b>						

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car model	year	--signal converter--			----car alarm----		Int
		4	4	8	CBL1	CBL2	
<b>SEAT</b>							
Alhambra	2000-	D	FM				
Altea	2004-09	D	FM	UDS	4.1	3-A	
Altea	2009...	D	FM	UDS		3-B	
Altea XL	2006-09	D	FM	UDS	6.5	3-A	
Altea XL	2009...	D	FM	UDS		3-B	
Cordoba	2005...				6.5	3-C	
Exeo	2009...	D				3-8	
Ibiza	2003-08				5.2	3-D	
Ibiza	2008...	D			5.2	3-7	
Leon	2005...	D	FM	UDS	6.5	3-A	
Toledo	1998-04						
Toledo	2005...	D	FM		6.5	3-A	
<b>SKODA</b>							
Fabia	2000-06				6.5		
Fabia	2007....				6.5	3-C	
Octavia	2004-05	D	FM		4.1		
Octavia	2006...	D	FM		6.5	3-B	
Roomster	2006...	D			4.1	3-D	
Superb	2002-08				6.5	B-5	
Superb	2008.	DS	S	UDS5	6.5	3-B	
Yeti	2009.					3-B	
<b>SMART</b>							
For-2	1997-07	D	FM				
For-2	2007....	S	S <sup>3</sup>				
For-4	2004....	D <sup>2</sup>	FM				
Roadster	2003....	D	FM				
<b>SSANGYONG</b>							
Actyon	2007....	D'	FM'				
Kyron	2005....	D'	FM <sup>2</sup>				
Rodius	2005....	D'	FM <sup>2</sup>				
<b>SUBARU</b>							
Impreza	2007....	DS <sup>3</sup>	FMS				
<b>SUZUKI</b>							
Grand Vitara	2005....	DS <sup>3</sup>	FMS				
Splash	2008....	DS <sup>2</sup>	FMS'				
Swift	2005....						
SX4	2006....	DS <sup>2</sup>	FMS'				
<b>TOYOTA</b>							
Auris	2007....	DS	FMS	UDS6	6.6	2-5	
Avensis	2009...	S			6.6	2-5	
Camry	2005....				6.6	2-5	
Corolla	2006....				6.6	2-5	
IQ	2009...	S				2-5	
Landcruiser	2008....	DS <sup>3</sup>	FMS <sup>3</sup>	UDS6	6.6	2-5	
Rav 4	2006....	DS <sup>2</sup>	FMS <sup>3</sup>		6.6	2-5	
Yaris	2006....	DS'	FMS <sup>3</sup>		6.6	2-5	
<b>VW</b>							
<b>VW</b>							
Beetle	1999...						4.1
Bora	1999....						4.1
Caddy 2K	2004....	D	FM	UDS7	6.5	3-B	
Caravelle	2003....	D <sup>3</sup>	FM	UDS4	6.5	3-C	
Crafter	2006....	D <sup>3</sup>	FM <sup>3</sup>	UDS	3.0	5-2	
Eos	2006...	D	FM		6.5	3-B	
Fox	2005....	D	FM				
Golf 4	1999-03						4.1
Golf 5	2004-08	D	FM	UDS	6.5	3-B	
Golf 5 Plus	2005-09	D	FM	UDS	6.5	3-B	
Golf 6	2008....	VW	S		6.5	3-B	
Golf 6 Plus	2009...	VW	S		6.5	3-B	
Jetta	2005...	D	FM		6.5	3-B	
Passat 3B	99-2004	D <sup>2</sup>	FM <sup>2</sup>		5.2	B-5	
Passat B6	2005...	D	FM	UDS	6.5	3-B	
Passat CC	2008...	D	FM	UDS	6.5	3-B	
Phaeton	2002....	VW	S				
Polo 6N	1999-04						4.1
Polo 9N	2005-09	VW			4.1	3-C	
Polo 6R	2009...	VW				3-7	
Scirocco	2008....	D	FM	UDS5	6.5	3-B	
Sharan	2000....	D	FM				
T5 Multivan	2003....	D <sup>3</sup>	FM	UDS*	6.5	3-C	
Tiguan	2007....	D	FM		6.1	3-B	
Touareg	2003-05	D	FM		6.0		
Touareg	2006....	D	FM		6.9	3-E	
Touran	2003-05	D	FM	UDS	6.1	3-B	
Touran	2006...	D	FM	UDS	6.5	3-B	
Transporter	2003....	D <sup>3</sup>	FM	UDS*	6.5	3-C	
<b>VOLVO</b>							
C30	2007....	D	FM				9-0
C70	2006....	D	FM				9-0
S40	2004-07	D	FM				
S40	2008....	DS <sup>3</sup>	FMS <sup>2</sup>				9-0
S60	2000-04	D	FM				
S60	2004-	DS <sup>3</sup>	FMS				9-1
S80	1998-04	D	FM				
S80	2004-06	DS <sup>3</sup>					
S80	2006....	DS	FMS				9-2
V50	2004-07	D	FM	UDS*			
V50	2007....	DS <sup>3</sup>	FMS	UDS*			9-0
V70	2000-04	D	FM				
V70	2004-07	DS					
XC60	2008....	DS	FMS <sup>2</sup>				9-2
XC70 V70	2007....	DS	FMS'				9-2
XC90	2003-06	D	FM				
XC90	2006....	DS3	FMS <sup>2</sup>				9-1

further CANBUS signal converters,  
 special or customized ones, too,  
 CANBUS car alarms,  
 or other "trouble shooters"  
 solving problems with car electronics  
 will be presented on request.