



4FM

car models and analog outputs
 for the universally suitable
CANBus-signal converter
 model: **B2S-4FM**
 version: S.1247.4

with the following analog signal outputs:

S = speed pulses

R = rpm

I = ignition plus +15

E = engine is running -signal

CAN- highspeed "engine"-CANBus

CAN- lowspeed "comfort"-CANBus

X = for this car model the output provides the
analog signal

S = this car model requires another or a special
signal converter (for example. **4-FMS**),
 being available on request.
 This car model **cannot** be recognized by the
 present universal signal converter 4FM!

B = "lowspeed comfort-CANBUS" = CAN-B
 must be connected in case of this car model
 (according to our advises)

C = "highspeed engine-CANBUS" = CAN-C
 must be connected in case of this car model
 (according to our advises)

NOTE: Customized interfaces or such ones for a
 lot of other car models are available on request.

NOTE: It may be possible (though we do not
 know any case up to now) that the car
 manufacturer modifies CanBus-protocols of a
 car model during its production cycles or
 maintenance or call-back occasions.

NOTE: If, despite of utmost care having been
 applied, this listing should contain any printing
 errors or mistakes, we beg to excuse this as
 well as to understand that we object to any
 liability for them.

NOTE: All instructions, regulations and advises of
 the car manufacturer, handicraft,
 governmental authorities, and of ourselves
 must be strictly observed when installing this
 interface.

car model	year	CAN	blue T	yellow R	green I	white m
Alfa Romeo						
147	00-	B	S	S	S	S
Giulietta	10-	C	S	S	S	S
Mito	08-	C	S	S	S	S
Audi						
A1 (8X)	10-	C	X	X	X	X
A3 (8P)	03-09 09-	C	X	X	X	X
A4 (8E) (8K)	01-04-07 07-	C	X	X	X	X
A5 (8T)	05-	C	S	S	S	S
A6 (4F) (4G)	04-11 11-	C	X	X	X	X
A7 (4G)	11-	C	S	S	S	S
A8 (4E) (4H)	03-10 10-	C	X	X	X	X
Q5 (8R)	08- 08-	B	S	S	S	S
Q7 (4L)	06-	C	X	X	X	X
R8 (8N)	07-	B	S	S	S	S
TT (8J)	06-10 10-	C	X	X	X	X
Bentley						
Continental	03-	C	X	X	X	X
B M W						
1 e87	04-11	B	X	X	X	X
F20	11-	C	S	S	S	S
3 e46	98-05	C	X	X	X	X
e90	05-08-...	B	X	X	X	X
e90 N	08-	B	X	X	X	X
e91	05-08	B	X	X	X	X
F30	12-	C	S	S	S	S
5 e39	00-03	C	X	X	X	X
e60	03-10	B	X	X	X	X
e61	03-10	B	X	X	X	X
F07	09-	C	S	S	S	S
F10/F11	10-	C	S	S	S	S
6 e63	04-11	B	X	X	X	X
e64	04-11	B	X	X	X	X
F12/F13	11-	C	S	S	S	S
7 F01/F02	09-	C	S	S	S	S
X1 e84	09-	C	S	S	S	S
X3 e83	03-11	C	X	X	X	X
F25	11-	C	S	S	S	S
X5 e53	00-07	C	X	X	X	X
e70	07-	C	S	S	S	S
e70	07-	B	X	X	X	X
X6 e71	08-	B	X	X	X	X
Z4 e85	03-09	C	X	X	X	X
e89	09-	B	X	X	X	X
Cadillac						
BLS	06-	B	X	X	X	X
CTS	07-	C	S	S	S	S
DTS	11-	C	S	S	S	S
Chevrolet						
Aveo	11-	C	S	S	S	S
Captiva	06-	C	S	S	S	S
Cruze	09-	C	S	S	S	S
Orlando	11-	C	S	S	S	S
Spark	10-	C	S	S	S	S
Chrysler						
300C	04-	B	X	X	X	X
Gr. Voyager	08-	C	S	S	S	S
PT Cruiser	06-	B	X	X	X	X
Sebring	07-	B	X	X	X	X
Citroen						

car model	year	CAN	blue T	yellow R	green I	white E
Citroen						
Berlingo	08-	C	X	X	X	X
C-Crosser	07-	C	X	X	X	X
C-Zero	10-	C	X	X	X	X
C2	03-	C	X	X	X	X
C3	02-10	C	X	X	X	X
Pluriel	10-	C	X	X	X	X
Picasso	02-10 09-	C	X	X	X	X
C4	04-10	C	X	X	X	X
Aircross	10-	C	X	X	X	X
Picasso	12-	C	X	X	X	X
Pic. Autom	06-	C	X	X	X	X
C5	01-08-....	C	X	X	X	X
C6	05-	C	X	X	X	X
C8	02-	C	X	X	X	X
DS3	10-	C	X	X	X	X
DS4	11-	C	X	X	X	X
Jumper	06-11	B	X	X	X	X
Jumpy	11-	C	S	S	S	S
Nemo	07-	C	X	X	X	X
Relay	08- 06-11	B	X	X	X	X
Xsara Picasso	11-	C	S	S	S	S
99-	11-	C	X	X	X	X
Daimler						
Super Eight	05-	C	X	X	X	X
Dodge						
Avenger	07-	B	X	X	X	X
Caliber	06-	B	X	X	X	X
Dakota	99-	B	X	X	X	X
Durango	03-	B	X	X	X	X
Journey	08-	C	X	X	X	X
Nitro	07-	C	S	S	S	S
Ram Pickup	05-09	B	X	X	X	X
09-	09-	C	X	X	X	X
Fiat						
500	07-	B	S	S	S	S
Bravo	05-	C	X	X	X	X
Croma	05-	B	X	X	X	X
Doblo	01-10	B	X	X	X	X
10-	10-	C	S	S	S	S
Ducato	06-11	B	X	X	X	X
11-	11-	C	S	S	S	S
Fiorino	08-	C	S	S	S	S
Grande Punto	06-	B	S	S	S	S
Linea	08-	B	S	S	S	S
Panda	04-12	B	X	X	X	X
12-	12-	C	S	S	S	S
Punto Evo	09-	C	S	S	S	S
Qubo	09-	C	S	S	S	S
Scudo	07-	C	X	X	X	X
Sedici	07-	C	S	S	S	S
Stilo	01-	B	X	X	X	X
Ulysse	02-	C	X	X	X	X
Ford						

car model	year	CAN	blue T	yellow R	green I	white m	OBD
Ford							
C-max	03-07	C	X	X	X	X	6-14
	07-10	C	X	X	X	X	6-14
	10-	C	S	S	S	S	3-11
Edge	07-	C	S	S	S	S	
F150	04-	C	S	S	S	S	6-14
Fiesta	02-05	C	X	X	X	X	3-11
	05-08	C	X	X	X	X	3-11
	08-	C	X	X	X	X	6-14
Focus	04-08-11	C	X	X	X	X	6-14
	11-	C	S	S	S	S	3-11
Fusion	02-05	C	X	X	X	X	3-11
	05-	C	X	X	X	X	3-11
Galaxy	06-	C	X	X	X	X	3-11
Ka	08-	C	S	S	S	S	6-14
Kuga	08-	C	X	X	X	X	6-14
Mondeo	03-05	C	X	X	X	X	6-14
	05-07	C	X	X	X	X	6-14
	07-10	C	X	X	X	X	3-11
	10-...	C	X	X	X	X	3-11
Mustang	05-	C	S	S	S	S	6-14
S-max	06-11	C	X	X	X	X	3-11
	11-	C	X	X	X	X	3-11
Tourneo C.	06-09	C	X	X	X	X	6-14
	09-....	C	X	X	X	X	6-14
Transit	06-09-....	C	X	X	X	X	3-11
	06-09-....	C	X	X	X	X	6-14
Transit C.	06-09	C	X	X	X	X	6-14
	09-...	C	X	X	X	X	3-11
	09-...	C	X	X	X	X	6-14
G M C							
Savana	03-	C	S	S	S	S	
Honda							
Accord	08-....	C	S	S	S	S	
Civic	05-....	C	S	S	S	S	
Civic Hybrid	06-....	C	S	S	S	S	
CR-V	07-....	C	S	S	S	S	
CR-Z	10-....	C	S	S	S	S	
Insight	09-....	C	S	S	S	S	
Jazz	09-....	C	S	S	S	S	
Jazz Hybrid	11-....	C	S	S	S	S	
Hyundai							
H300	08-	C	S	S	S	S	
Infinity							
EX37	08-	C	X	X	X	X	
FX50s	08-	C	X	X	X	X	
G37	08-	C	X	X	X	X	
G37s	08-	C	X	X	X	X	
Iveco							
Daily	06-11	B	X	X	X	X	
11-	11-	C	S	S	S	S	
Jaguar							
S-type	98-04-....	C	X	X	X	X	6-14
X-type	01-	C	X	X	X	X	6-14
XF-type	08-	C	S	S	S	S	
XJ-type	03-	C	S	S	S	S	
Jeep							
Cherokee	08-	C	S	S	S	S	
Commander	06-	B	X	X	X	X	
Compass	07-	B	X	X	X	X	
Gr. Cherokee	05-10	B	X	X	X	X	
	10-	C	S	S	S	S	
Patriot	07-	B	X	X	X	X	
	07-	C	X	X	X	X	
Wrangler	07-	C	S	S	S	S	
Lancia							

car model	year	CAN	blue	yellow	green	white
			T	R	I	E
Lancia						
Delta	08-	B	X	X		X
Phedra	02-	C	X	X	X	X
Ypsilon	11-...	C	S	S	S	S
Landrover						
Discovery3	04-10	C	S	S	S	S
Discovery4	10-	C	S	S	S	S
Range Rover	10-	C	S	S	S	S
Lexus						
CT	11-	C	S			
RX	09-	C	S			
Mazda						
2	08-	C	S	S		S
3	03-09-...	C	X	X		X
6	08-	C	S	S	S	S
Mercedes						
A w168	97-04	C	X	X	X	X
w169	05-	C	X	X	X	X
B w245	05-	C	X	X	X	X
C w203	00-07	C	X	X	X	X
w204	07-11-...	C	S	S	S	S
CL (140)	91-99	C	X	X	X	X
(216)	06-	C	S	S	S	S
CLK c209	02-	C	X	X	X	X
CLS c219	04-11	C	X	X	X	X
c218	11-	C	S	S	S	S
E w210	95-02	C	X	X	X	
w211	02-07-09	C	X	X	X	X
w212	09-	C	S	S	S	S
Coupe w207	09-	C	S	S	S	S
G	90-	C	X	X	X	X
GL 164	06-	C	X	X	X	X
GLK	08-	C	S	S	S	S
M w163	98-05	C	X	X	X	X
ML w164	05-11	C	X	X	X	X
w166	11-...	C	S	S	S	S
R w251	06-	C	S	S	S	S
S w140	91-98	C	X	X	X	X
w220	99-05	C	X	X	X	X
w221	05-	C	S	S	S	S
SL w230	01-	C	X	X	X	X
SLK r171	04-	C	X	X	X	X
Sprinter	00-06	C	X	X	X	X
906	06-	C	X	X	X	X
Vaneo 414	02-	C	X	X	X	X
V-Klasse	99-03	C	X	X	X	X
Viano	03-10	C	X	X	X	X
10-		C	X	X	X	X
Vito	99-03-10	C	X	X	X	X
10-		C	X	X		X
Mini						
One/Cooper	07-	B	X			
Countryman	05-	B	S	S	S	S
Mitsubishi						
ASX	10-	C	X	X	X	X
Colt	04-	C	X	X	X	X
iMiev	10-	C	X	X		
Outlander	07-	C	X	X	X	X
Nissan						

car model	year	CAN	blue	yellow	green	white
			T	R	I	E
Nissan						
Cabstar	06-	C	X	X		
Frontier	05-	C	X	X		
Interstar	02-04-11	C	X	X	X	X
Juke	08-	C	S			
Kubistar	04-	C	X	X	X	X
Leaf	11-	C	X			
Murano	04-09	C	X	X	X	X
Navara	05-	C	X			
NV 200	10-	C	X	X		X
NV 400	11-...	C	X	X		X
Pathfinder	05-	C	X			
Pixo	09-	C	S			
Primastar	03-06	C	X		X	
06-10		C	X	X	X	X
Qashqai	07-	C	X	X	X	X
Qashqai2	09-	C	X	X		X
X-Trail	04-07	C	X			
Opel						
Agila	08-	B	S	S	S	S
Antara	07-	B	S	S	S	S
Astra H	04-07	B	X	X	X	X
H	07-09	B	X	X	X	X
J	09-	C	S	S	S	S
Combo	04-	C	X			
Corsa C	04-06	C	X			
D	06-	C	X	S	X	S
GT	07-	B	X		X	
07-		C	X	S	S	S
Insignia	09-	C	S	S	S	S
Meriva	04-10	C	X	X	X	X
10-		C	S	S	S	S
Movano	03-10	C	X	X	X	X
10-		C	X	X	X	X
Signum	03-	B	X	X	X	X
Tour	04-	C	X			
Vectra	02-05	B	X	X	X	X
05-...		B	X	X	X	X
Vivaro	01-06-10	C	X	X	X	X
10-		C	S	S	S	S
Zafira	05-11	B	X	S	X	X
11-...		C	X	S	S	S
Peugeot						
207	06-	C	X	X	X	X
208	12-	C	X	X		
307	01-05	C	X	X	X	X
05-		C	X	X		X
308	07-	C	X	X	X	X
3008	09-	C	X	X	X	X
406	01-04	C	X	X	X	X
407	04-	C	X	X	X	X
4007	08-	C	X	X	X	X
508	11-	C	X	X	X	X
5008	09-	C	X	X		X
607	00-05	C	X	X	X	X
05-		C	X	X	X	X
807	02-	C	X	X	X	X
Bipper	08-	C	S		S	
Boxer	06-11	B	X	X	X	X
11-		C	S	S	S	S
Expert	07-	C	X	X	X	X
iOn	10-	C	X	X		X
Partner	03-08	C	X	X	X	X
08-....		C	X	X	X	X
Ranch	03-08	C	X		X	X
Porsche						

car model	year	CAN	blue	yellow	green	white
			T	R	I	E
Porsche						
911/997	04-11	C	S	S	S	S
Boxster	05-12	C	S	S	S	S
Cayenne	03-10	C	S	S	S	S
10-		C	S	S	S	S
Cayman	05-	C	S		S	S
Renault						
Clio	01-05-09	C	X	X	X	X
09-		C	X	X	X	X
Espace	02-06	C	X	S	S	S
06-		C	X	X	X	X
Fluence	10-	C	X			
Grand Scénic	09-	C	X			
Kangoo	03-08	C	X			
08-		C	X	X	X	X
Koleos	08-	C	X	X	X	X
Laguna	01-05	C	X	X		X
05-07		C	X	X	X	X
07-		C	X			
Mascott	05-	C	X	X	X	X
MasterPropul	05-	C	X	X	X	X
Master	03-10	C	X	X	X	X
10-		C	X	X		X
Mégane	02-09	C	X	X	X	X
09-		C	X			
Modus	04-	C	X	X		X
Scénic	03-09	C	X	X	X	X
09-		C	X			
Trafic	01-06-10	C	X	X	X	X
10-		C	X	S	S	S
Twingo	07-	C	X	X		X
Wind	10-	C	X	X		X
Saab						
9-3	07-	B	X	S	X	S
9-5	10-	C	S			
Seat						
Alhambra	00-10-...	C	X	X	X	X
Altea	04-09-...	C	X	X	X	X
Exeo	09-	C	X	X	X	X
Ibiza	08-	C	X	X	X	X
Leon	05-09-...	C	X	X	X	X
Toledo	04-	C	X	X	X	X
Skoda						
Fabia	10-...	C	X	X		X
Octavia	04-08-....	C	X	X	X	X
Roomster	06-11-...	C	X	X	X	X
Superb	02-08-...	C	X	X	X	X
Yeti	10-...	C	X	X	X	X
Smart						
For-2	97-07	C	X	X	X	X
For-2	07-	C	X	X		X
For-4	04-	C	X	X	X	X
Roadster	03-	C	X	X	X	X
SsangYong						
Actyon	07-	C	X	X		X
Korando	10-	C	X	X	X	X
Kyron	05-	C	S			
Rodius	05-	C	S			
Subaru						
Impreza	07-	C	S	S	S	S
Suzuki						
Alto	09-	C	S			
Gr.Vitara	05-	C	S	S	S	S
Kizashi	10-	C	S			
Splash	08-	C	S			
SX4	06-	C	S	S		S
Swift	10-	C	S	S		S
Tovota						

car model	year	CAN	blue	yellow	green	white	OBD
			T	R	I	E	
Toyota							
Auris	07-10	C	S	S	S	S	
10-		C	S	S	S	S	
Corolla	08-	C	S	S	S	S	
Landcr. 200	08-	C	S	S	S	S	
Rav4	06-	C	S	S	S	S	
Yaris	06-	C	S	S	S	S	
VW Volkswagen							
Amarok	11-...	C	X	X	X	X	
Caddy	04-10-...	C	X	X	X	X	
Caravelle T5	03-09-...	C	X	X	X	X	
Crafter	06-	C	X	X	X	X	
Eos	06-	C	X	X	X	X	
Fox	05-	C	X	X	X	X	
Golf 5	03-08	C	X	X	X	X	
Golf 5 Plus	05-09	C	X	X	X	X	
Golf 6	08-	C	X	X	X	X	
Golf 6 Plus	09-	C	X	X	X	X	
Jetta	05-11	C	X	X	X	X	
Lupo	98-	C	X	X			
Multivan T5	03-09-...	C	X	X	X	X	
Passat	99-05	C	X	X	X	X	
05-10-...		C	X	X	X	X	
CC	08-	C	X	X	X	X	
Phaeton	02-	C	X	X	X	X	
Polo (9N)	05-09	C	S	S	S	S	
(6R)	09-	C	S	X	X	X	
Scirocco	08-10-...	C	X	X	X	X	
Sharan	00-10-...	C	X	X	X	X	
Tiguan	07-	C	X	X	X	X	
Touareg	03-10	C	X	X	X	X	
10-		C	X	S	S	S	
Touran	03-10-...	C	X	X	X	X	
T5 Transp.	03-09-...	C	X	X	X	X	
Up	12-...	C	X	X	X	X	
Volvo							
C30	07-10	C	S	S	S	S	6-14
10-		C	X	X	X	X	3-11
C70	06-10	C	X	X	X	X	3-11
10-		C	X	X	X	X	3-11
S40	04-07	C	X	X	X	X	3-11
07-10		C	X		X		3-11
10-		C	X	X		X	3-11
S60	00-04	C	X	X	X	X	3-11
04-10		C	S	S	S	S	6-14
S80	98-04	C	X	X	X	X	3-11
04-06		C	S		S		5-14
06-09		C	S		S		3-11
09-		C	S		S		3-11
V50	04-07	C	X	X	X	X	3-11
07-10		C	X	X	X	X	3-11
10-		C	X	X	X	X	3-11
V70	00-04	C	X	X	X	X	3-11
04-07-09		C	S		S		3-11
XC60	08-09-...	C	S		S		6-14
XC70	07-09-...	C	S		S		3-11
XC90	03-06	C	X	X	X	X	3-11
06-		C	S		S		6-14

T = Tacho-Signal
U = U/Min Motor-Drehzahl
Z = Zündung
M = "Motor läuft" Signal

CanBus-signal converter 4FM (B2S-4FM)

1247.4 -
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