

A11 Heating and A/C control module

Plug connector overview

Number	X-pin, colour	Description
X610	26-pin, blue	Plug connector 3 Heating and A/C control module
X611	12-pin, natural	Plug connector 4 Heating and A/C control module
X613	3-pin, natural	Plug connector 2 Heating and A/C control module
X18153	6-pin, black	Plug connector 5 Heating and A/C control module
X18341	3-pin, black	Plug connector 0 Heating and A/C control module

Pin assignments at plug connector X610

Pin	Type	Description / Signal type	Connection / Measuring notes
1	E	Voltage supply, terminal 15	Fuse F20
2	A	Signal Independent park heating check valve	Solenoid valve independent heating/ventilation II
3	E/A	K-bus signal line	K-bus connector
4	E	Signal, switch off consumer load	Connector, switch off consumer load
5	A	Left water valve activation	Water valves, Left valve
6	A	Right water valve activation	Water valves, Right valve
7	A	Relay activation Rear defogger relay	Rear defogger relay
8	A	Signal Heated windscreen washer jets	Connector, heated washer jets
9	A	Auxiliary water pump activation with independent heating, Auxiliary water pump activation with latent heat accumulator	Auxiliary water pump with independent heating, Connector, auxiliary water pump with latent heat accumulator

10	E	Pressure signal	High pressure switch
11		Not used	
12	E	Signal input	AUC sensor
13	A	Positive activation	AUC sensor
14	A	Auxiliary water pump, water valves Solar sensor	Solar sensor
15	E	Solar sensor signal, left	Solar sensor
16	E	Solar sensor signal, right	Solar sensor
17	A	Signal, A/C compressor OFF (M51) A/C compressor signal	DDE control unit DME control unit Digital diesel electronics control unit
18	E	Relay activation, auxiliary fan stage I	Connector, auxiliary fan stage 1
19	M	Ground Solar sensor	Solar sensor
20	M	Ground High pressure switch	High pressure switch
21	A	Supply High pressure switch	High pressure switch
22	A	Shut-down signal with latent heat accumulator:	Connector, auxiliary water pump with latent heat accumulator:
23	E	Night light signal	Connector, terminal 58g
24		Not used	
25	M	Ground AUC sensor, heating	AUC sensor
26	A	Positive activation AUC sensor,	AUC sensor

		heating	

Pin assignments at plug connector 4 X611

Pin	Type	Description / Signal type	Connection / Measuring notes
1	A	Sensor signal	Left heat exchanger sensor
2	A	Sensor signal	Right heat exchanger sensor
3	A	Sensor signal	Evaporator sensor
4	A	Signal Output stage	Output stage
5	A	Signal Rear mixing air actuator	Rear mixing air actuator
6	M	Sensor ground	Sensor connector
7	E	Actuating signal Fresh air flap motor	Fresh air flap motor
8	A	Actuating signal Fresh air flap motor	Fresh air flap motor
9	A	Actuating signal Fresh air flap motor	Fresh air flap motor
10	E	Actuating signal Fresh air flap motor	Fresh air flap motor
11	A	Signal Rear mixing air actuator	Rear mixing air actuator
12		Not used	

Pin assignments at plug connector 2 X613

Pin	Type	Description / Signal type	Connection / Measuring notes

1	A	Positive activation	Footwell/rear compartment actuator motor
2	E	Ground, actuator motors	Footwell/rear compartment actuator motor
3	E/A	MI-bus	Footwell/rear compartment actuator motor

Pin assignments at plug connector 5 X18153

Pin	Type	Description / Signal type	Connection / Measuring notes
1	A	Relay activation Relay for latent heat accumulator	Relay for latent heat accumulator
2	A	Signal, independent heating ON Valve activation Changeover valve LWS	Independent heating relay Changeover valve LWS
3	A	Independent heating ON feedback	Independent park/auxiliary heating
4	A	Sensor signal	NTC resistor, steering angle sensor
5	M	Sensor ground	NTC resistor, steering angle sensor
6	A	Valve activation Shut-off valve LWS	Shut-off valve LWS

Pin assignments at plug connector 0 X18341

Pin	Type	Description / Signal type	Connection / Measuring notes
1	E	Voltage supply, terminal 30 for throttle actuator	Fuse F9
2	A	Positive supply, magnetic clutch	High pressure switch (M51) Heating and A/C control module

3	M	Ground	Ground connector X219