

A11 Heating and A/C control module

Plug connector overview

Number	X-pin, colour	Description
X610	26-pin, blue	Plug connector 3
X611	12-pin, natural	Plug connector 4
X18153	6-pin, black	Plug connector 5
X18341	3-pin, black	Plug connector 0

Pin assignments at plug connector X610

Pin	Type	Description / Signal type	Connection / Measuring notes
1	E	Voltage supply, terminal 15	Fuse F20
2		Not used	
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
6		Not used	
7	A	Relay activation	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		Not used	
13		Not used	
14		Not used	
15	A	Air conditioning system standby signal	DDE control unit
16	A	Signal, A/C compressor ON (M51)	DDE control unit
17	A	Signal, A/C compressor OFF (M51) A/C compressor signal	DDE control unit Digital diesel electronics control unit DME control unit
18	E	Relay activation, auxiliary fan stage I	Connector, auxiliary fan stage 1
19		Not used	
20	M	Ground High pressure switch	High pressure switch
21	A	Supply High pressure switch	High pressure switch
22		Not used	
23	E	Night light signal	Connector, terminal 58g
24		Not used	
25		Not used	
26		Not used	

Pin assignments at plug connector 4 X611

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

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	Independent heating relay Solenoid valve independent heating/ventilation II Changeover

		Changeover valve LWS	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) Solenoid clutch
3	M	Ground	Ground connector X219