

**Document number :** pe83.40-p-2053-97daa  
**Document title :** Electrical function schematic for automatic air conditioning, actuation

<b>Code :</b>	<b>Designation :</b>	<b>Position :</b>
1	Blower motor, request	13D
10	Rear blower motor, actuation	13B
11	PTC heater booster, actuation	17B
12	Actuator motors, actuation	20D
13	Evaporator shutoff valve, request	
14	Evaporator shutoff valve, actuation	10L
15	Refrigerant compressor magnetic clutch, request	16G
16	Refrigerant compressor magnetic clutch, actuation	17J
17	Electric refrigerant compressor, request	
17	Electric refrigerant compressor, request	
17	Electric refrigerant compressor, request	
18	Engine start, request	9H
18	Engine start, request	16G
19	High-voltage battery cooling system shutoff valve, request	5J
2	Blower motor, actuation	12F
20	Shutoff valve / high-voltage battery cooling system actuation	2K
3	Refrigerant compressor, request	15H
4	Refrigerant compressor, actuation	17J
5	Coolant circulation pump, request	15H
6	Coolant circulation pump, actuation	
7	Idle speed increase, request	8G
7	Idle speed increase, request	16H
8	Fan motor, request	8H
8	Fan motor, request	16H
9	Fan motor, actuation	7C
9	Blower motor	11F
A32m1	Blower regulator	11D
A32n1	Refrigerant compressor	19H
A9	Electric refrigerant compressor	6J
A9/5	Refrigerant compressor electric motor	6K
A9/5m1	Refrigerant compressor control unit and power electronics	6K
A9/7	Refrigerant compressor with magnetic clutch	19K
A9/7y1	Refrigerant compressor regulation valve	19K
A9/7y2	Refrigerant compressor magnetic clutch	19K
A9y1	Refrigerant compressor regulation valve	18H
CAN B	Interior CAN	15G
CAN E	Chassis CAN	11H
CAN E1	Chassis CAN 1	11J
CAN L	Hybrid CAN	7H

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CAN L	Hybrid CAN	4H
Code 580	Automatic air conditioning	21E
Code 580	Automatic air conditioning	13C
Code 581	Comfort automatic air conditioning	13D
Code 581	Comfort automatic air conditioning	10K
Code 581	Comfort automatic air conditioning	21F
Code 581	Comfort automatic air conditioning	11A
Code 965	Electrical preinstallation /rental vehicle	10K
Code B03	ECO start/stop function	10J
Code B09	Refrigerant compressor with magnetic clutch	18U
LIN B8	Climate control LIN	14B
LIN B8	Climate control LIN	16B
LIN B8	Climate control LIN	19E
LIN B8	Climate control LIN	11K
M13/5	Coolant circulation pump	19E
M16/22	Air distribution flap actuator motor	22F
M16/33	Left B-pillar air distribution actuator motor	22U
M16/34	Right B-pillar air distribution actuator motor	22J
M2/1	Rear blower motor	12B
M2/10	Left footwell flap actuator motor	22G
M2/11	Right footwell flap actuator motor	22G
M2/12	Left center air outlet flap actuator motor	22G
M2/13	Right center air outlet flap actuator motor	22H
M2/16	Defroster vent flap actuator motor	22E
M2/21	Diffuse flap actuator motor	22H
M2/34	Ram air flap actuator motor	22H
M2/35	Rear blend air flap actuator motor	22J
M2/5	Fresh air/air recirculation flap actuator motor	22D
M2/6	Left blending air flap actuator	22E
M2/7	Right blending air flap actuator	22E
M2/8	Left defroster vent flap actuator motor	22F
M2/9	Right defroster vent flap actuator motor	22G
M4/7	Combustion engine and air conditioning with integrated control fan motor	6A
N10/1	Front SAM control unit with fuse and relay module	15U
N22/7	Automatic air conditioning control and operating unit	15D
N22/7s2	Air recirculation mode button	15D
N3/10	ME-SF1 [ME] control unit	5D
N3/9	CDI control unit	8D
N82/2	Battery management system control unit	3K
R22/3	PTC heater booster	18D

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<b>Code :</b>	<b>Designation :</b>	<b>Position :</b>
U462	Valid without code B09 Refrigerant compressor with magnetic clutch	18H
U739	Valid for gasoline engine 271 DE	18C
U74	Valid for diesel engines	18C
U74	Valid for diesel engines	7D
U75	Valid for gasoline engines	4D
U968	Valid for mild hybrid drive	6J
U968	Valid for mild hybrid drive	8J
U968	Valid for mild hybrid drive	10K
U968	Valid for mild hybrid drive	1J
U977	Valid for mild hybrid drive	18G
Y19/1	Not valid for mild hybrid drive	
Y19/3	High-volt battery cooling system shutoff valve	1K
	Evaporator shutoff valve	9K

