

Fuses and relays
































PASSENGER COMPARTMENT FUSE BOX (1016)

location

This box is located on the front left-hand dashboard fascia.

Table of fuses
















(except 16-seater bus)

5A 13				30A 39	
15A 12					
10A 11		20A 24		30A 37	
30A 10		20A 23		15A 36	
10A 9		5A 22		20A 35	
15A 8		15A 21		20A 34	
5A 7	(ABS)	10A 20		20A 33	
15A 6		10A 19		15A 32	
15A 5	STOP	10A 18		5A 31	
15A 4		10A 17			
30A 3		10A 16		10A 29	
10A 2	ALIM UCH	5A 15		15A 28	
5A 1	INJECT	5A 14		5A 27	CONFORT 


















SE2233

Fuses and relays

Allocation of fuses (according to the equipment level)

No.	Symbol	Amps	Connection	Description
F1	INJECT	5A	AP21	Fuse: injection computer + after ignition feed (120) - starter relay (232) - gearbox computer (119) - after ignition relay 1 (299-751) - diagnostic socket (225)
F2	ALIM UCH	10A	AP3	Fuse: UCH supply (645) - first row cigarette lighter (101) - door locking (123) - heated rear screen (128) - idle speed regulator (228) - rear fog light relay (230) - gear selector light (303) - air conditioning control panel (319) - cruise control (331) - cruise control stop switch (530) - variable damping (534) - headlight adjustment (562) - heated windscreen de-icing (646) - parking proximity sensor computer (1222) - cruise control (1560) - gearbox load control (1582) - controlled suspension computer (644)
F3		30A	AP7	Fuse: washer/wiper combination switch (145) - UCH (645)
F4		15A	64AP	Fuse: instrument panel (247) - pretensioner and airbag computer (756) - Tachograph (1369)
F5	STOP	15A	AP26	Fuse: brake switch (160) - alternator (103) - reversing light switch (155) - reversing light relay (602)
F6		15A	AP27	Fuse: washer/wiper combination switch (145) - windscreen wiper motor (212)
F7		5A	AP5	Fuse: ABS (721) - vehicle speed sensor (250)
F8		15A	SP1	Fuse: air conditioning control relay (652) - diesel heater relay (450)
F9		10A	SP2	Fuse: radio (261) - multifunction display (653) - car phone communication interface (715) - central communication unit (1125)
F10		30A	SP3	Fuse: air conditioning control panel (319)
F11		10A	SP4G	Fuse: cigarette lighter (101)
F12		15A	SP4D	Fuse: accessories socket (1492)
F13		5A	123E	Fuse: injection computer (120)
F14		5A	LPG	Fuse: left-hand side light (227) - left-hand rear light (173) - left-hand number plate light (167) - caravan connection (713) - UCH (645) - radio (261) - multifunction display (653) - central communication unit (1125)
F15		5A	LPD	Fuse: right-hand side light (226) - right-hand rear light (172) - right-hand number plate light (166) - caravan connection (713) - Tachograph (1369) - instrument panel (247)
F16		10A	CPG	Fuse: left-hand dipped beam headlight (227) - headlight adjustment control (562) - instrument panel (247)
F17		10A	CPD	Fuse: right-hand dipped beam headlight (226)
F18		10A	RPG	Fuse: left-hand main beam headlight (227) - instrument panel (247)

Fuses and relays

No.	Symbol	Amps	Connection	Description
F19		10A	RPD	Fuse: right-hand main beam headlight (226)
F20		10A	9P	Fuse: rear fog light relay (299-230) - caravan connection (713)
F21		15A	67CP	Fuse: horn (105)
F22		5A	15RP	Fuse: heated door mirrors (239-240)
F23		20A	15L	Fuse: heated right-hand rear quarter panel (810)
F24		20A	15K	Fuse: heated left-hand rear quarter panel (811)
F25		--	--	Not in use
F26		--	--	Not in use
F27		5A	BCPC	Fuse: controlled suspension computer (644)
F28		15A	BCP3	Fuse: Tachograph (1369) - instrument panel (247) - alarm siren (442) - diagnostic socket (225) - alarm sensor (433) UCH (645)
F29		10A	BCP4	Fuse: radio (261) - multifunction display (653) - car phone communication interface (715) - central communication unit (1125)
F30		--	--	Not in use
F31		5A	80Z	Fuse: impact sensor (927) - UCH (645)
F32		15A	AP22	Fuse: heated front seats (495-496) - electric door mirror control (134)
F33		20A	AP2	Fuse: driver's control for front passenger electric window (532) - passenger electric window control (133)
F34		20A	AP1	Fuse: electric window timer (852)
F35		20A	BPR1	Fuse: diesel heater relay (450)
F36		15A	BP19	Fuse: hazard warning lights (645)
F37		30A	BP3	Fuse: door control (645)
F38		--	--	Not in use
F39		30A	BC	Fuse: consumer cut-out (supply to fuses F27, F28, F29 and F31)

Fuses and relays




PASSENGER COMPARTMENT FUSE MODULES (1016)

location

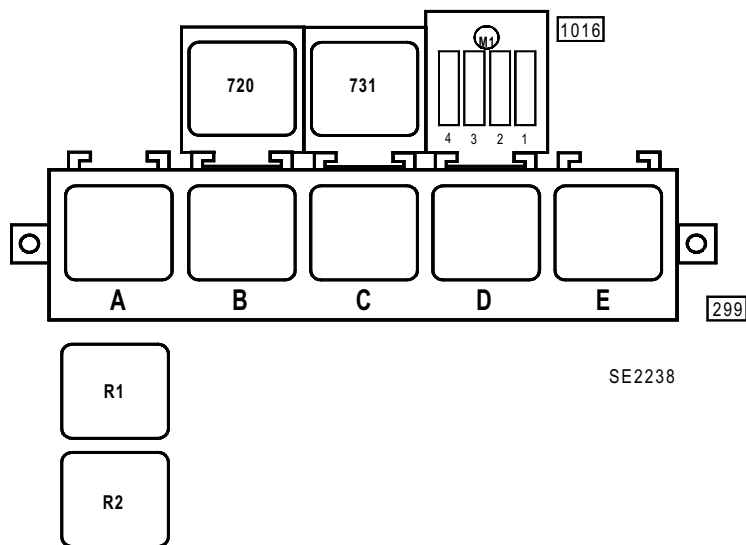
These modules are mounted on the passenger compartment relay board, on the left-hand dashboard fascia.

Table of fuses

(9-seater bus)

M1			
4	3	2	1
5A	25A		25A
	 CA		

SE2242



SE2238

Allocation of fuses (according to the equipment level)

Module 1 (M1)

No.	Amps	Description
F1	25A	Fuse: + battery feed before battery cut-off heating output
F2	--	Not in use
F3	25A	Fuse: condenser relay
F4	5A	Fuse: + battery feed before battery cut-off heating control

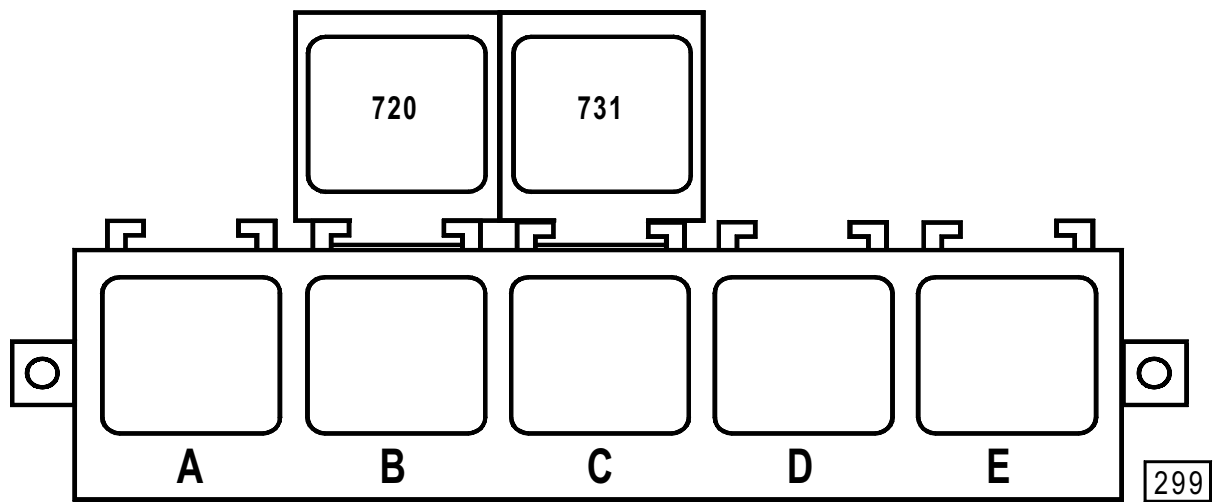
Fuses and relays

PASSENGER COMPARTMENT RELAY UNIT (299)

location

This unit is located on the left-hand dashboard fascia.

(except bus)



SE2237

Allocation (according to equipment level)

Track	Description
A	Relay: + after ignition 1
B	Not in use
C	Relay: passenger compartment fan assembly speed 4
D	Relay: independent heating cut-off
E	Relay: heated rear screen and door mirrors

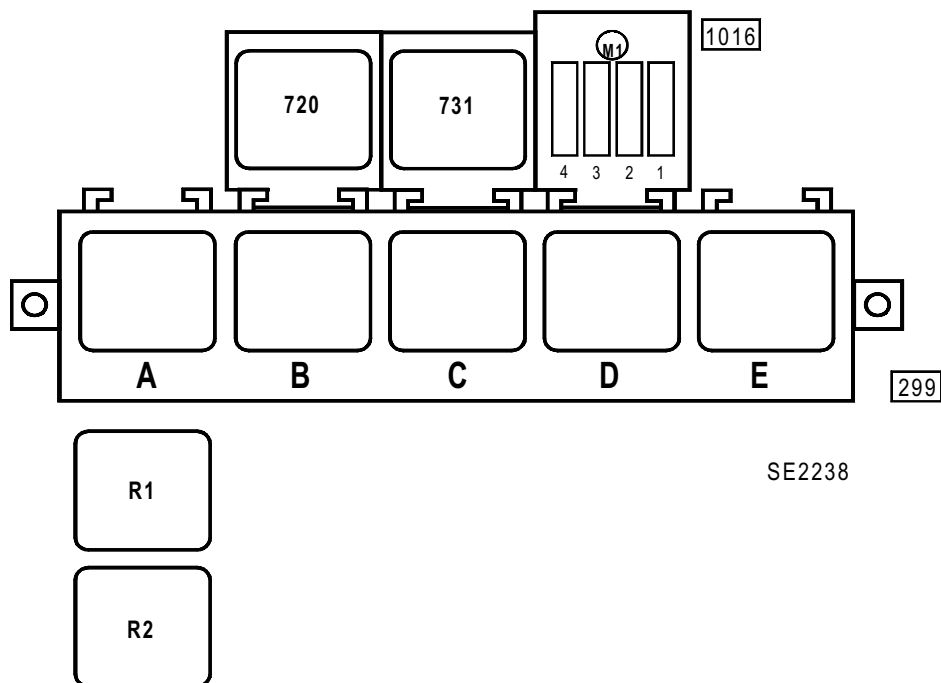
Fuses and relays

PASSENGER COMPARTMENT RELAY UNIT (299)

location

This unit is located on the left-hand dashboard fascia.

(9-seater bus)



Allocation (according to equipment level)

Track	Description
A	Relay: + after ignition 1
B	Not in use
C	Relay: passenger compartment fan assembly speed 4
D	Relay: independent heating cut-off
E	Relay: heated rear screen and door mirrors
R1	Relay: air conditioning + after ignition feed
R2	Relay: condenser

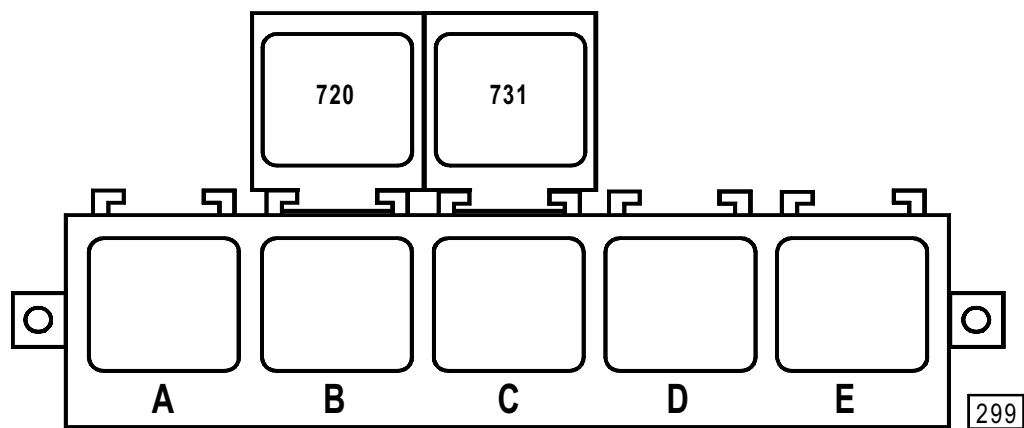
Fuses and relays

AIR CONDITIONING CUT-OUT RELAY (720)

location

This unit is mounted on the passenger compartment relay board.

(except 16-seater bus)



SE2237

Allocation (according to equipment level)

Unit	Description
720	Relay: air conditioning cut-off

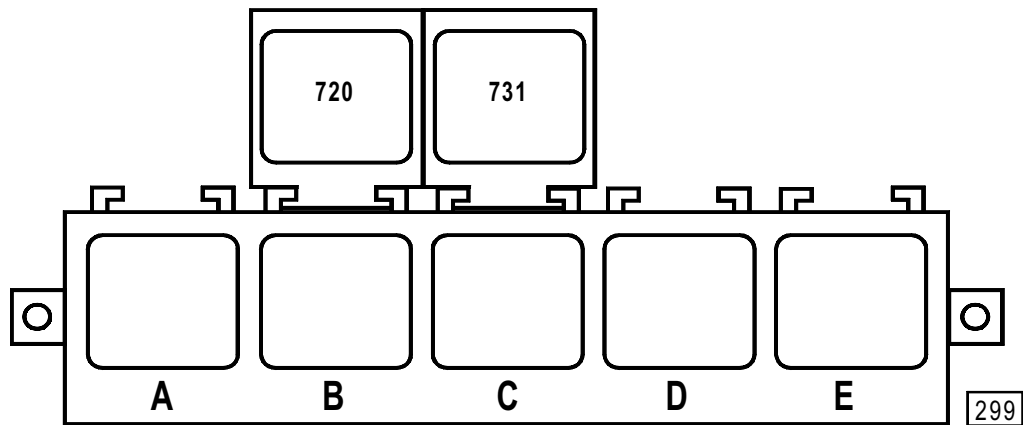
Fuses and relays

HEATED WINDSCREEN TIMER (731)

location

This unit is mounted on the passenger compartment relay board.

(except 16-seater bus)



SE2237

Allocation (according to equipment level)

Unit	Description
731	Timer: heated windscreen

Fuses and relays




































PASSENGER COMPARTMENT FUSE BOX (1016)

location

This box is located on the front left-hand dashboard fascia.

Table of fuses















(16-seater bus)

5A 13		15A 26		30A 39	
15A 12		10A 25		30A 38	
10A 11		20A 24		30A 37	
30A 10		20A 23		15A 36	
10A 9		5A 22		20A 35	
15A 8		15A 21		20A 34	
5A 7		10A 20		20A 33	
15A 6		10A 19		15A 32	
15A 5	STOP	10A 18		5A 31	
15A 4		10A 17			
30A 3		10A 16		10A 29	
10A 2	ALIM UCH	5A 15		15A 28	
5A 1	INJECT	5A 14		5A 27	CONFORT 






















SE2235

Fuses and relays

Allocation of fuses (according to the equipment level)

No.	Symbol	Amps	Connection	Description
F1	INJECT	5A	AP21	Fuse: injection computer + after ignition feed (120) - starter relay (232) - gearbox computer (119) - after ignition relay 1 (299-751) - diagnostic socket (225)
F2	ALIM UCH	10A	AP3	Fuse: UCH supply (645) - first row cigarette lighter (101) - door locking (123) - heated rear screen (128) - idle speed regulator (228) - rear fog light relay (230) - gear selector light (303) - air conditioning control panel (319) - cruise control (331) - cruise control stop switch (530) - variable damping (534) - headlight adjustment (562) - heated windscreen de-icing (646) - parking proximity sensor computer (1222) - cruise control (1560) - gearbox load control (1582) - controlled suspension computer (644)
F3		30A	AP7	Fuse: washer/wiper combination switch (145) - UCH (645)
F4		15A	64AP	Fuse: instrument panel (247) - pretensioner and airbag computer (756) - Tachograph (1369)
F5	STOP	15A	AP26	Fuse: brake switch (160) - alternator 103 - reversing light switch (155) - reversing light relay (602)
F6		15A	AP27	Fuse: washer/wiper combination switch (145) - windscreen wiper motor (212)
F7		5A	AP5	Fuse: ABS (721) - vehicle speed sensor (250)
F8		15A	SP1	Fuse: fan assembly (320) - air conditioning control relay (652) - diesel heater relay (450) - engine fuse board (597 position B track 4, for additional adaptations on reversal bornier 283)
F9		10A	SP2	Fuse: radio (261) - multifunction display (653) - car phone communication interface (715) - central communication unit (1125)
F10		30A	SP3	Fuse: air conditioning control panel (319)
F11		10A	SP4G	Fuse: cigarette lighter (101)
F12		15A	SP4D	Fuse: accessories socket (1492)
F13		5A	123E	Fuse: injection computer (120) - reversal bornier (283) for additional adaptations
F14		5A	LPG	Fuse: left-hand side light (227) - left-hand rear light (173) - left-hand number plate light (167) - caravan connection (713) - UCH (645) - radio (261) - multifunction display (653) - central communication unit (1125)
F15		5A	LPD	Fuse: right-hand side light (226) - right-hand rear light (172) - right-hand number plate light (166) - caravan connection (713) - Tachograph (1369) - instrument panel (247)
F16		10A	CPG	Fuse: left-hand dipped beam headlight (227) - headlight adjustment control (562) - instrument panel (247)
F17		10A	CPD	Fuse: right-hand dipped beam headlight (226)

Fuses and relays

No.	Symbol	Amps	Connection	Description
F18		10A	RPG	Fuse: left-hand main beam headlight (227) - instrument panel (247)
F19		10A	RPD	Fuse: right-hand main beam headlight (226)
F20		10A	9P	Fuse: rear fog light relay (299-230) - caravan connection (713)
F21		15A	67CP	Fuse: horn (105)
F22		5A	15RP	Fuse: heated door mirrors (239-240)
F23		20A	15L	Fuse: heated right-hand rear quarter panel (810)
F24		20A	15K	Fuse: heated left-hand rear quarter panel (811)
F25		10A	20N	Fuse: front door electric locking (140-141)
F26		15A	20P	Fuse: rear right-hand door electric locking (138)
F27		--	--	Not in use
F28		15A	BCP3	Fuse: Tachograph (1369) - instrument panel (247) - alarm siren (442) - diagnostic socket (225) - alarm sensor (433) UCH (645)
F29		10A	BCP4	Fuse: radio (261) - multifunction display (653) - car phone communication interface (715) - central communication unit (1125)
F30		--	--	Not in use
F31		5A	80Z	Fuse: impact sensor (927) - UCH (645)
F32		15A	AP22	Fuse: heated front seats (495-496) - electric door mirror control (134)
F33		20A	AP2	Fuse: driver's control for front passenger electric window (532) - passenger electric window control (133)
F34		20A	AP1	Fuse: electric window timer (852)
F35		20A	BPR1	Fuse: diesel heater relay (450)
F36		15A	BP19	Fuse: hazard warning lights (645) - Tachograph (1369) - instrument panel (247) - alarm siren (442) - diagnostic socket (225) - alarm sensor (433)
F37		30A	BP3	Fuse: door control (645)
F38		30A	--	Fuse: consumer cut-out (fuse F36 supply)
F39		30A	BC	Fuse: consumer cut-out (supply to fuses F27, F28, F29 and F31)

Fuses and relays

PASSENGER COMPARTMENT FUSE MODULES (1016)

location

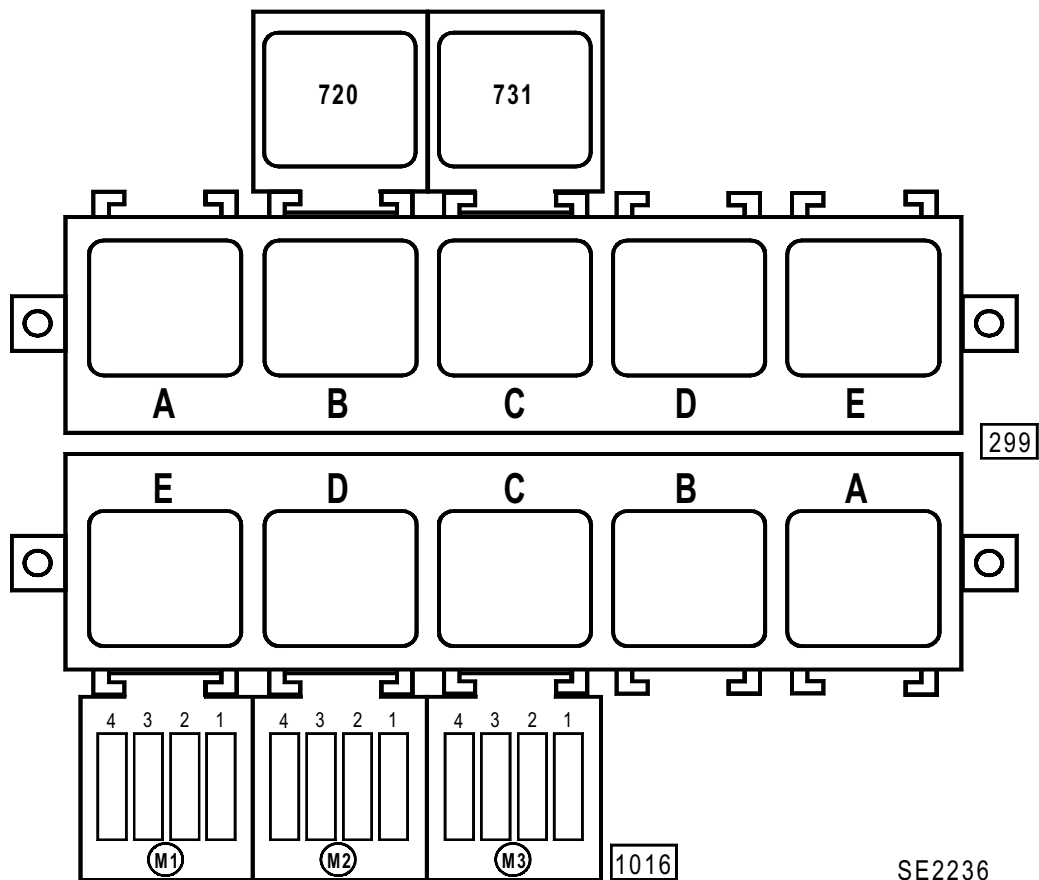
These modules are mounted on the passenger compartment relay board, on the left-hand dashboard fascia.

Table of fuse modules

(16-seater bus)

M1				M2				M3			
4	3	2	1	4	3	2	1	4	3	2	1
	30A	25A	15A	15A	25A	5A	15A		5A	5A	10A

SE2239



SE2236

Fuses and relays

Allocation of fuses (according to the equipment level)

Module 1 (M1)

No.	Amps	Connection	Description
F1	15A	BP74	Fuse: condenser relay (299-652)
F2	25A	BP73	Fuse: + after ignition relay 2 (299-752)
F3	30A	BP59	Fuse: electric door power after battery cut-off
F4	--	--	Not in use

Module 2 (M2)

No.	Amps	Connection	Description
F1	15A	BP23	Fuse: battery cut-off relay (299-1240)
F2	5A	BP91	Fuse: + battery feed before battery cut-off heating control
F3	25A	BP9	Fuse: + battery feed before battery cut-off heating output
F4	15A	BCPD	Fuse: operating light and footwell signal + battery feed after battery cut-off

Module 3 (M3)

No.	Amps	Connection	Description
F1	10A	APR1	Fuse: + after ignition relay 2 supply (299-752) - electric doors - passenger lighting - central door locking
F2	5A	H46	Fuse: emergency stop - switch open
F3	5A	APCB	Fuse: rear door locks + after ignition
F4	--	--	Not in use

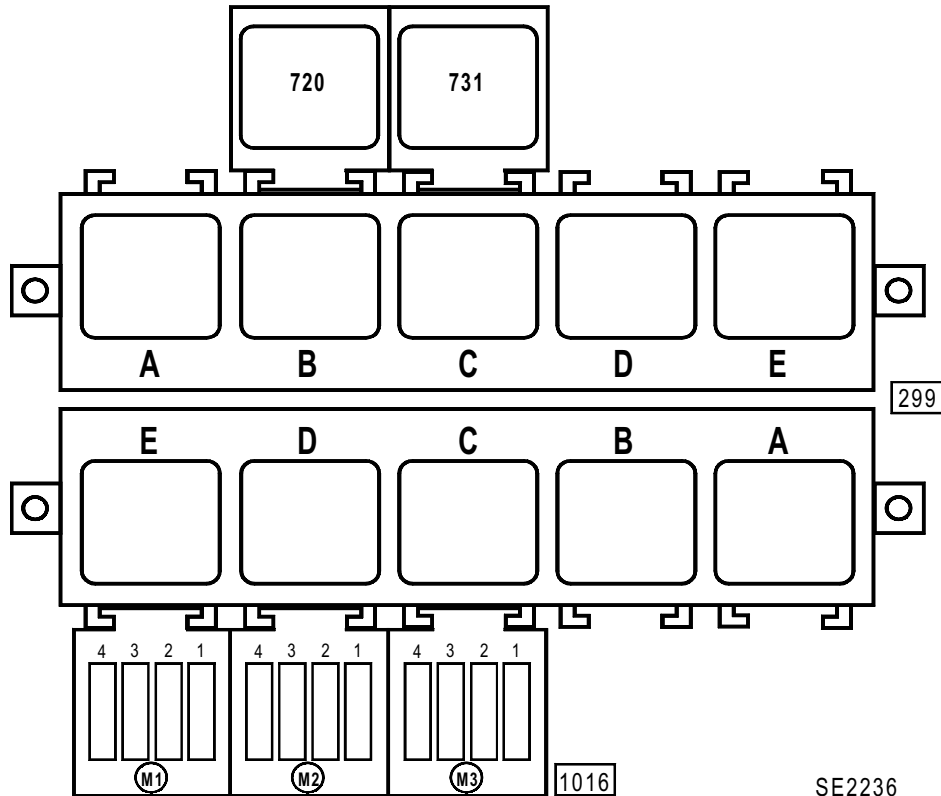
Fuses and relays

PASSENGER COMPARTMENT RELAY UNIT (299)

location

This unit is located on the left-hand dashboard fascia.

(16-seater bus)



Allocation (according to equipment level)

Top row

Track	Description
A	Relay: + after ignition 1 (751)
B	Relay: fog lights
C	Relay: passenger compartment fan assembly speed 4
D	Relay: independent heating cut-off
E	Relay: heated rear screen and door mirrors

Bottom row

Track	Description
A	Relay: battery cut-out (1240)
B	Relay: battery cut-out locking
C	Relay: + after ignition 2 (752)
D	Relay: evaporator
E	Relay: condenser

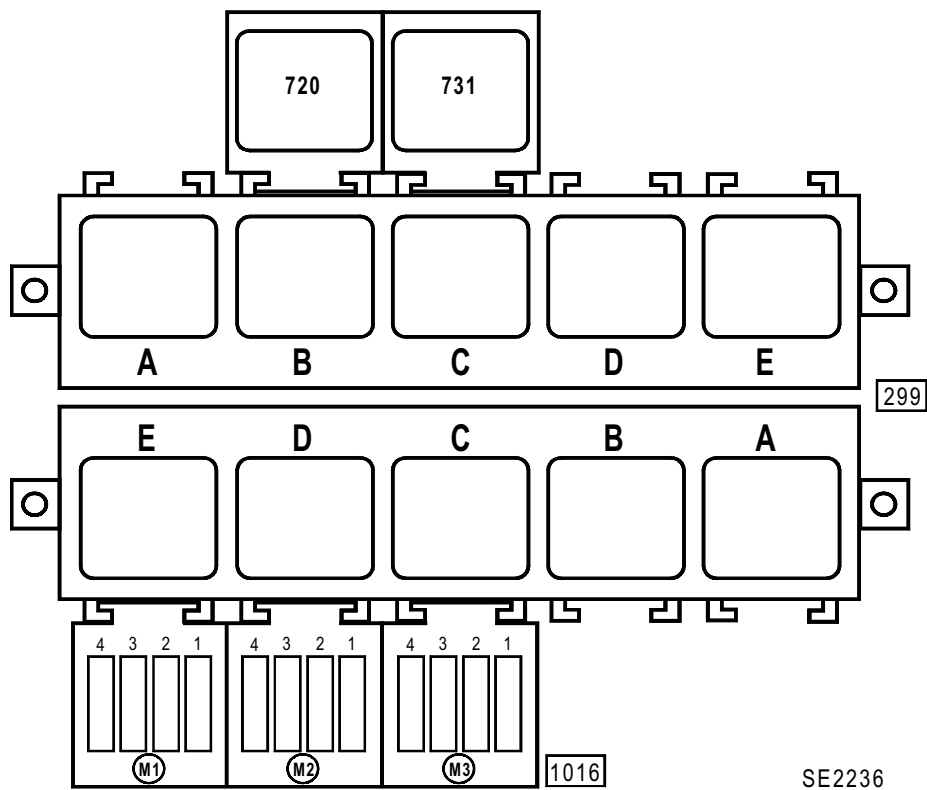
Fuses and relays

AIR CONDITIONING CUT-OUT RELAY (720)

location

This unit is mounted on the passenger compartment relay board.

(16-seater bus)



Allocation (according to equipment level)

Unit	Description
720	Relay: air conditioning cut-off