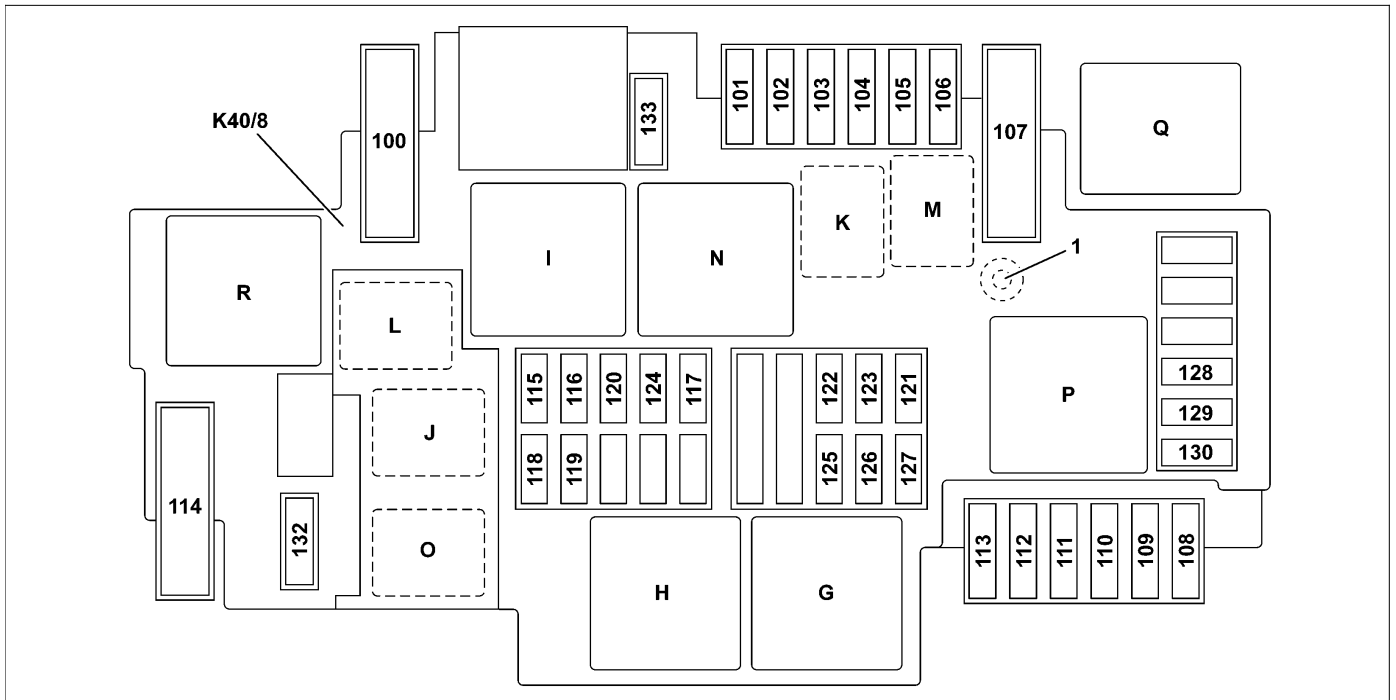


Model 238



P54.15-3687-09

1 Circuit 30 "E1" connection

K40/8 Engine fuse and relay module

i Relays J, K, L, M and O are located inside the housing and firmly soldered onto the PCB.

Slot	Fuse	Circuit	Line ID (line fused)	Fused function	Rating in amperes (A)
100	Electrical fuse 100 (K40/8f100)	-	-	Spare	-
101	Electrical fuse 101 (K40/8f101)	87M	1.5 RDGN	Engine 274, 276, 654, 656: Circuit 87/2 end sleeve (Z7/48z1)	15
				Engine 264: Potential distributor 3 power supply (X30/91)	
102	Electrical fuse 102 (K40/8f102)	87M	2.5 RDBU	Engine 274, 642: Engine wiring harness/engine compartment electrical connection (X26)	20
				Engine 642, 654: CDI control unit (N3/9)	
				Engine 256, 656: Circuit 87 M1e end sleeve (Z7/35z1)	
			2.5RDGY	Engine 656 with code U79 (BLUETEC exhaust gas cleaning diesel (SCR), generation 3): Soot particulate sensor control unit (N74)	
103	Electrical fuse 103 (K40/8f103)	87M	1.5 RDYE	Engine 274, 276: ME-SFI [ME] control unit (N3/10)	15
				Engine 654, 656: CDI control unit (N3/9)	
				Engine 656 with code U77 (BLUETEC exhaust gas cleaning diesel (SCR)): NOx sensor control unit downstream of SCR catalytic converter (N37/8) NOx sensor control unit upstream of diesel oxidation catalytic converter (N37/12)	
				Engine 642 with code U77 (BLUETEC exhaust gas cleaning diesel (SCR)): NOx sensor control unit upstream of diesel oxidation catalytic converter (N37/12)	
				Engine 264: Connector sleeve, circuit 87M4 (Z7/73z1)	

			4.0 RDYE	Engine 256: Connector sleeve, circuit 87/4 (Z7/73z2)	
104	Electrical fuse 104 (K40/8f104)	87M	0.5 RDBK	Engine 274: Engine wiring harness/engine compartment electrical connection (X26)	15
			1.5 RDBK	Engine 642: Engine wiring harness/engine compartment electrical connection (X26)	
			1.5 RDBK	Engine 654, 656: CDI control unit (N3/9)	
			4.0 RDBK	Engine 264: Connector sleeve, circuit 87/3 (Z7/75z1)	
			1.5 RDBK	Engine 256: Connector sleeve, circuit 87/3 (Z7/75z1)	
105	Electrical fuse 105 (K40/8f105)	-	-	Spare	-
106	Electrical fuse 106 (K40/8f106)	-	-	Spare	-
107	Electrical fuse 107 (K40/8f107)	87	6.0 RD	Engine 274: Electric coolant pump (M75/11)	60
108	Electrical fuse 108 (K40/8f108)	-	-	Spare	-
109	Electrical fuse 109 (K40/8f109)	-	-	Spare	-
110	Electrical fuse 110 (K40/8f110)	30t	1.5 PKRD	With code 631 (Static left-hand traffic LED headlamp) or code 632 (Static right-hand traffic LED headlamp) or code P35 (Light package): Right headlamp control unit (E2n9)	20
			1.5 GNRD	With code P35 (Light Package): Left front LED matrix lamp unit control unit (E1n11) Right front LED matrix lamp unit control unit (E2n11)	
111	Electrical fuse 111 (K40/8f111)	30t	2.5 RDBK	Wiper motor (M6/1)	30
112	Electrical fuse 112 (K40/8f112)	-	-	Spare	-
113	Electrical fuse 113 (K40/8f113)	50	2.5 VTWH	Starter (M1)	30
114	Electrical fuse 114 (K40/8f114)	87	4.0 RDWH	With code 489 (AIR BODY CONTROL): AIR BODY CONTROL compressor (A9/1)	40
115	Electrical fuse 115 (K40/8f115)	-	-	Spare	-
116	Electrical fuse 116 (K40/8f116)	-	-	Spare	-
117	Electrical fuse 117 (K40/8f117)	30t	0.5 RD	Engine 256: Electric refrigerant compressor (A9/5)	7,5
118	Electrical fuse 118 (K40/8f118)	87C	1.0 RDGN	End sleeve, circuit 87 C2 (Z141/2z1)	15
119	Electrical fuse 119 (K40/8f119)	87D	1.0 RDBU	Circuit 87/C1 end sleeve (Z141/1z1)	15
120	Electrical fuse 120 (K40/8f120)	-	-	Spare	-
121	Electrical fuse 121 (K40/8f121)	15M	0.75 RD	Transmission 725: Park pawl capacitor (C8)	10
122	Electrical fuse 122 (K40/8f122)	-	-	Spare	-
123	Electrical fuse 123 (K40/8f123)	15M	0.5 BKRD	Front SAM control unit (N10/6)	5
124	Electrical fuse 124 (K40/8f124)	-	-	Spare	-
125	Electrical fuse 125 (K40/8f125)	15M	0.5 PKRD	Powertrain control unit (N127)	5
				Engine 264, 274, 276: ME-SFI [ME] control unit (N3/10)	
				Engine 642, 654, 656: CDI control unit (N3/9)	
				Engine 264 with code B01 (48V technology) up to 30.11.2017: 48 V on-board electrical system battery (G1/3)	
				Engine 256: End sleeve, circuit 15 (Z50/5z1)	
126	Electrical fuse 126 (K40/8f126)	15M	0.5 PKRD	Except code 631 (Static left-hand traffic LED headlamp) and except code 632 (Static right-hand traffic LED headlamp) and except code P35 (Light package): Left front lamp unit (E1) and right front lamp unit (E2)	5
127	Electrical fuse 127 (K40/8f127)	50	0.5 VTWH	Engine 642, 654 and for engine 274, 276 with code U98 (LITHIUM-ION BATTERY (LISB)) or code 228 (Stationary heater) or right-hand drive vehicle: Voltage dip limiter (R62)	5

				Left-hand drive vehicle with engine 274, 276 except code U98 (LITHIUM-ION BATTERY (LISB)) and except code 228 (Stationary heater): Front-end relay (K92)	
128	Electrical fuse 128 (K40/8f128)	15M	0.35 PKRD (0.5 PKRD)	Exterior lights switch (S1)	5
129	Electrical fuse 129 (K40/8f129)	15	0.5 RD	Electronic Stability Program control unit (N30/4)	5
130	Electrical fuse 130 (K40/8f130)	-	-	Spare	-
131	Electrical fuse 131 (K40/8f131)	-	-	Spare	-
131A	Electrical fuse 131a (K40/8f131a)	15M	-	Starter circuit 50 relay (K40/8kH)	30
132	Electrical fuse 132 (K40/8f132)	87	0.35 OG	With code 489 (AIR BODY CONTROL): AIR BODY CONTROL control unit (N51/3)	5
133	Electrical fuse 133 (K40/8f133)	30t	1.5 PKRD	With code 631 (Static left-hand traffic LED headlamp) or code 632 (Static right-hand traffic LED headlamp) or code P35 (Light package): Left headlamp control unit (E1n9)	20
			1.5 PKRD	With code P35 (Light Package): Right front LED matrix lamp unit control unit (E2n11) Left front LED matrix lamp unit control unit (E1n11)	

Relays	Designation
G	Engine compartment circuit 15 relay (K40/8kG)
H	Starter circuit 50 relay (K40/8kH)
I	Spare
J	CPC relay (K40/8kJ)
K	Spare
L	Spare
M	Spare
N	Circuit 87M relay (K40/8kN)
O	Spare
P	Engine 274: Coolant pump relay (K40/8kP)
Q	Spare
R	With code 489 (AIR BODY CONTROL): Relay R (K40/8kR)