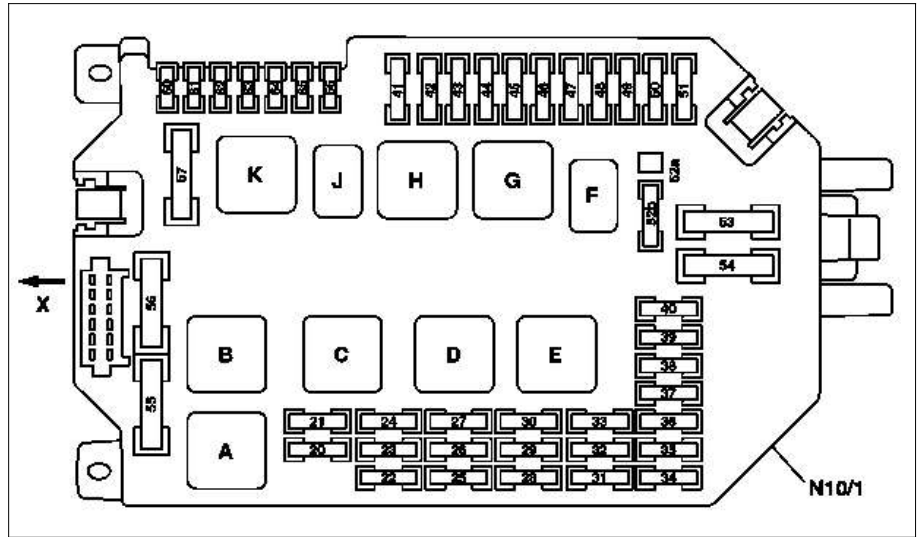


N10/1 Front SAM control unit with fuse and relay module

X Direction of travel



P54.15-2760-05

Fuse	Terminal	Cable ID (fused line)	Fused function	Fuse rating in amperes (A)
f20	30	0.75 RD 1.0 RD	Valid for model 221 with engine 629, 642, 651: <ul style="list-style-type: none"> ● CDI control unit (N3/9) Valid for model 221 with engine 272, 276 Valid for engine 156, 157, 273, 278: <ul style="list-style-type: none"> ● ME-SFI control unit (N3/10) Valid for engine 275: <ul style="list-style-type: none"> ● ME-SFI control unit (N3/10) 	10
f21	87M1	2.5 RDBU 1.5 RDGN 2.5 RDGY 1.5 RDBL 2.5 RDBU	Valid for model 221 with engine 272, 276 Valid for engine 156, 157, 273, 278: <ul style="list-style-type: none"> ● Circuit 87 M1i connector sleeve (Z7/38) Valid for engine 275: <ul style="list-style-type: none"> ● Circuit 87 M1i connector sleeve (Z7/38) Valid for model 221 with engine 629 and engine 642: <ul style="list-style-type: none"> ● CDI control unit (N3/9) ● Fuel pump relay (N10/2kS) Valid for model 221 with engine 651: <ul style="list-style-type: none"> ● Quantity control valve (Y94) 	20
f22	87M4	2.5 RDGY	Valid for model 221 with engine 272, 276 Valid for engine 156, 157, 273, 278: <ul style="list-style-type: none"> ● Terminal 87 connector sleeve (Z7/5) 	15
f23	87M2	1.5 RDGN 2.5 RDGN 2.5 RDGN 1.5 RDGN 1.5 RDGN 0.5 RDBU	Valid for model 221 with engine 272, 276 Valid for engine 156, 157, 273, 275, 278: <ul style="list-style-type: none"> ● Terminal 87 connector sleeve (Z7/5) Valid for model 221 with engine 629 and engine 642: <ul style="list-style-type: none"> ● Terminal 87 connector sleeve (Z7/5) Valid for model 221 with engine 272, 276 Valid for engine 156, 157, 273, 278: <ul style="list-style-type: none"> ● Terminal 87M2e connector sleeve (Z7/36) Valid for engine 275: <ul style="list-style-type: none"> ● Terminal 87 M2i connector sleeve (Z7/39) Valid for model 221 with engine 629 and engine 642: <ul style="list-style-type: none"> ● Terminal 87 connector sleeve (Z7/5) Valid for model 221 with engine 651: <ul style="list-style-type: none"> ● Rear SAM control unit with fuse and relay module (N10/2) 	20
f24	87M3	2.5 RDBK 2.5 RDYE	Valid for model 221 with engine 272, 276 Valid for engine 157, 273, 278: <ul style="list-style-type: none"> ● Circuit 87 M1e connector sleeve (Z7/35) Valid for model 221 with engine 642 <ul style="list-style-type: none"> ● CDI control unit (N3/9) 	25
f25	30	0.5 PKBK	<ul style="list-style-type: none"> ● Instrument cluster (A1) 	7.5
f26	15	1.5 PKBU	<ul style="list-style-type: none"> ● Left front lamp unit (E1) 	10
f27	15	1.5 PKGN	<ul style="list-style-type: none"> ● Right front lamp unit (E2) 	10
f28	87F	0.75 RDGN RDGN 1.0	Valid for engine 275: <ul style="list-style-type: none"> ● EGS control unit (N15/3) Valid without engine 275: <ul style="list-style-type: none"> ● Fully integrated transmission control (VGS) control unit (Y3/8n4) 	7.5
f29	15	0.5 PKRD	<ul style="list-style-type: none"> ● Rear SAM control unit with fuse and relay module (N10/2) 	5

f30	15	1.0 RDGY 1.0 RD	Valid for model 221 with engine 629, 642, 651: ● CDI control unit (N3/9) Valid for model 221 with engine 272, 276 Valid for engine 156, 157, 273, 275, 278: ● ME-SFI control unit (N3/10) ● Fuel system control unit (N118)	7.5
f31	87F	0.5 RDBK	Valid for model 221.095/195: ● Electric refrigerant compressor (A9/5)	5
f32	87F	1.5 GYYE 1.5 RDVT 1.5 RDYE	Valid for model 221 with code (B03) ECO start/stop function: ● Transmission oil auxiliary pump control unit (N89) Valid for model 221.095/195: ● Transmission oil auxiliary pump control unit (N89) Valid for model 216 with code (B03) ECO start/stop function: ● Transmission oil auxiliary pump control unit (N89)	15
f33	87F	0.75 PK	Valid as of 1.9.10 for model 216 and model 221 without model 221.095/195: ● ESP control unit (N47-5) Valid for model 221.095/195: ● Battery management system control unit (N82/2) ● DC/DC converter control unit (N83/1) ● Power electronics control unit (N129/1)	5
f34	87F	0.5 RDBK	Valid for model 221.095/195: ● Regenerative braking system control unit (N30/6)	5
f35	87F	0.5 RDYE	● Electric parking brake controller unit (A13)	5
f36	30	0.75 RDGN	● Data link connector (X11/4) (Pin 16)	10
f37	30	0.75 RD	● For EIS control unit (N73)	7.5
f38	30	0.75 RD	● Central gateway control unit (N93)	7.5
f39	30	0.75 RDYE	● Instrument cluster (A1)	7.5
f40	30	0.75RDBK	● Upper control panel control unit (N72/1)	7.5
f41	15R	2.5 RDGN	● Slave wiper motor (M6/7)	30
f42	15R	2.5 RDBK	● Master wiper motor (M6/6)	30
f43	15R	1.5 BKWH	● Front cigar lighter with ashtray illumination (R3)	15
f44	15R	-	● Spare	-
f45	15	0.5 RDBU	Valid for model 221.095/195: Fused via power electronics circulation pump 1 relay (K108): ● Power electronics circulation pump 1 (M13/8)	5
f46	30	1.5 RD 1.5 RDWH	Valid for model 216 without code (489) AIRmatic (air suspension with continuously adjustable damping), model 221 with code (487) Active Body Control (ABC): ● ABC control unit (N51/2) Valid for model 221 without code (487) Active Body Control (ABC), Model 216 with code (489) AIRmatic (air suspension with continuously adjustable damping): ● AIRMATIC with ADS control unit (N51)	15
f47	30	1.5 GNYE	● Steering column up/down motor (M20/2)	15
f48	30	1.5 GNWH	● Steering column in/out motor (M20/1)	15
f49	30	0.75 RD	● Steering column tube module (N80)	10
f50	30	1.5 RDWH	● AAC [KLA] control unit (N22/1)	15
f51	30	0.5 RDBU	Valid without code (867) SPLITVIEW ● COMAND display (A40/8) Valid with code (867) SPLITVIEW ● SPLITVIEW display (A40/10)	5
f52a	30	1.5 YE	Valid for model 221 with code (965) Electrical preinstallation for rental vehicle: Fused via fanfare horns relay (N10/1kF): ● Left fanfare horn (H2) ● Right fanfare horn (H2/1)	15
f52b	15	1.5 YE	Valid for model 221 without code (965) Electrical preinstallation for rental vehicle, model 216: Fused via fanfare horns relay (N10/1kF): ● Left fanfare horn (H2) ● Right fanfare horn (H2/1)	15
f53	30	-	● Spare	-
f54	30	4.0 RD	● AC air recirculation unit (A32)	40
f55	87	4.0 RDWH	Valid for gasoline engine ● Electric air pump (M33)	60
f56	30	4.0 RDBK	Valid for model 221 without code (487) Active Body Control (ABC), Model 216 with code (489) AIRmatic (air suspension with continuously adjustable damping): ● AIRMATIC compressor unit (A9/1)	40
f57	30	2.5 RDBK	● Wiper park position heater (R2/10)	30

f60	87F	0.5 RDYE	Valid for model 221.003/026/057/073/074/083/082/094/103/126/157/173/174/182/183/194, for model 221.054/056/080/084/086/087/154/156/180/184/186/187 as of 1.6.09 for model 221.070/170 as of 1.6.09 up to 31.8.10 without code (487) Active Body Control (ABC), for model 221.070/170 as of 1.9.10, for model 221.071/171 as of 1.6.09 without code (487) Active Body Control (ABC), for model 216.373/374/394): <ul style="list-style-type: none"> ● Electrohydraulic power steering (A91/1) 	5
f61	15R	0.75 PKGN	<ul style="list-style-type: none"> ● Restraint systems control unit (N2/7) 	7.5
f62	87F	0.5 RD	Valid for code (610) Night view assist: <ul style="list-style-type: none"> ● Night View Assist control unit (N101) 	5
f63	15	1.5 RD	Valid for model 221 with engine 629 and engine 642 as of 1.9.08: <ul style="list-style-type: none"> ● Fuel filter condensation sensor with heating element (B76/1) 	15
f64	15R	0.75 GNYE	Valid for model 221: <ul style="list-style-type: none"> ● Driver NECK-PRO head restraint solenoid (Y24/12) ● Front passenger NECK-PRO head restraint solenoid (Y24/13) 	10
f65	15	1.5 PKGN	Valid as of 1.6.09 <ul style="list-style-type: none"> ● 12 Volt connector in glove box (X58/31) 	15
f66	87F	0.75 RDGN	Valid for code (219) Distronic (DTR), for code (233) DISTRONIC PLUS, for code (237) Active Blind Spot Assist or for code (239) Adaptive cruise control Plus Light: <ul style="list-style-type: none"> ● DTR controller unit (A89) 	7.5