

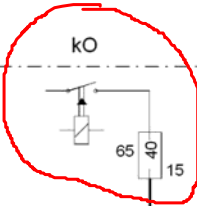
Document number: pe54.21-u-2106-99fd
 Document title: Wiring diagram SAM control module with front fuse and relay module (N10/1)

| Code: | Designation: | Position: |
|----------|---|-----------|
| A9 | AC compressor | 19 L |
| A9x1 | AC compressor connector | 18 J |
| F56 | Starter, alternator fuse (in wiring harness) | 27 G |
| G1 | Battery | 25 L |
| G2 | Generator | 24 L |
| M1 | Starter | 28 L |
| M33 | AIR pump | 41 L |
| M33 | AIR pump | 43 L |
| M33 | AIR pump | 45 L |
| N10/1 | Front SAM control module with fuse and relay module | 5 A |
| N10/1 | Front SAM control module with fuse and relay module | 12 A |
| N10/1 | Front SAM control module with fuse and relay module | 20 A |
| N10/1 | Front SAM control module with fuse and relay module | 27 A |
| N10/1 | Front SAM control module with fuse and relay module | 36 A |
| N10/1 | Front SAM control module with fuse and relay module | 44 A |
| N10/1f48 | Fuse 48 | 32 B |
| N10/1f52 | Fuse 52 | 30 B |
| N10/1f53 | Fuse 53 | 34 B |
| N10/1f54 | Fuse 54 | 35 B |
| N10/1f55 | Fuse 55 | 4 B |
| N10/1f55 | Fuse 55 | 8 B |
| N10/1f58 | Fuse 58 | 6 B |
| N10/1f61 | Fuse 61 | 7 B |
| N10/1f65 | Fuse 65 | 43 B |
| N10/1kK | Circuit 87 relay, chassis | 3 A |
| N10/1kK | Circuit 87 relay, chassis | 7 A |
| N10/1kN | SEO [ASG] pump control relay | 5 A |
| N10/1kO | AIR pump relay | 42 A |
| N10/1kP | Circuit 15 relay | 28 A |
| N10/1kR | Circuit 87 relay, engine | 33 A |
| N10/1kS | Starter relay | 29 A |
| N15/3 | ETC [EGS] control module | 2 L |
| N15/5 | Electronic selector lever module control module | 9 L |
| N3/10 | ME-SFI [ME] control module | 21 L |
| S16/12 | Automatic transmission program selector pushbutton | 16 L |
| S16/12e1 | Shift lever illumination | 17 L |
| S16/2 | Backup lamp switch | 15 L |
| U150 | Valid for engine 112 | 26 D |
| U150 | Valid for engine 112 | 31 D |
| U150 | Valid for engine 112 | 40 D |
| U24 | Valid for MT [MG] | 14 D |
| U25 | Valid for automatic transmission | 16 D |
| U29 | Valid for outside temperature indicator | 18 H |
| U425 | Valid for C 32 AMG | 27 D |
| U425 | Valid for C 32 AMG | 31 D |
| U425 | Valid for C 32 AMG | 42 D |
| U426 | Valid for C 55 AMG | 27 D |
| U426 | Valid for C 55 AMG | 31 E |
| U426 | Valid for C 55 AMG | 40 D |
| U521 | Valid for engine 111 | 27 E |
| U521 | Valid for engine 111 | 31 E |
| U673 | Valid for Comfort AAC [K-KLA] | 18 H |
| U739 | Valid for engine 271 | 20 D |
| U739 | Valid for engine 271 | 27 E |
| U739 | Valid for engine 271 | 38 D |
| U819 | Valid for engine 272 | 20 D |
| U819 | Valid for engine 272 | 27 E |

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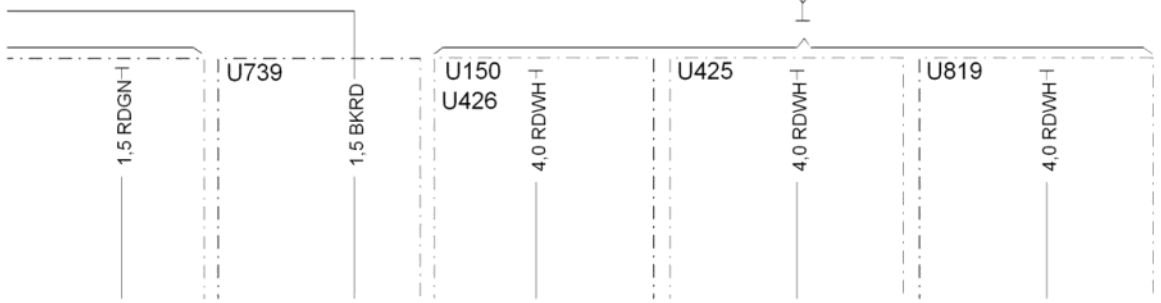
| Code: | Designation: | Position: |
|---------|---|-----------|
| U819 | Valid for engine 272 | 35 D |
| U819 | Valid for engine 272 | 44 D |
| W10 | Ground (battery) | 25 H |
| W11/3 | Ground (engine - left side) | 41 H |
| W11w2 | Ground (engine - electrical line connected), left cylinder bank | 45 H |
| W16/4 | Ground (output ground - component compartment - right) | 43 H |
| W18 | Ground (left front seat crossmember) | 15 H |
| X26/2 | Engine separation point connector | 18 E |
| X26/2 | Engine separation point connector | 29 E |
| X26/2 | Engine separation point connector | 35 H |
| X26/2 | Engine separation point connector | 38 H |
| X26/2 | Engine separation point connector | 44 H |
| X30/7 | Left voltage distributor (CAN) connector | 12 L |
| X35/56 | O2 sensor connector | 42 H |
| Y3/8 | Electric control unit (VGS) | 5 L |
| Z3/29z1 | Circuit 15 connector sleeve (fused) | 31 H |
| Z3/29z1 | Circuit 15 connector sleeve (fused) | 31 H |
| Z7/35z1 | Circuit 87M1e connector sleeve | 32 H |
| Z7/35z1 | Circuit 87M1e connector sleeve | 32 H |
| Z7/35z1 | Circuit 87M1e connector sleeve | 32 H |
| Z7/36 | Circuit 87M2e connector sleeve | 34 H |
| Z7/36 | Circuit 87M2e connector sleeve | 39 L |
| Z7/36z2 | Circuit 87M2e connector sleeve | 33 H |
| Z7/36z2 | Circuit 87M2e connector sleeve | 33 H |
| Z7/36z2 | Circuit 87M2e connector sleeve | 37 L |
| Z7/38z2 | Circuit 87 M1i connector sleeve | 35 L |

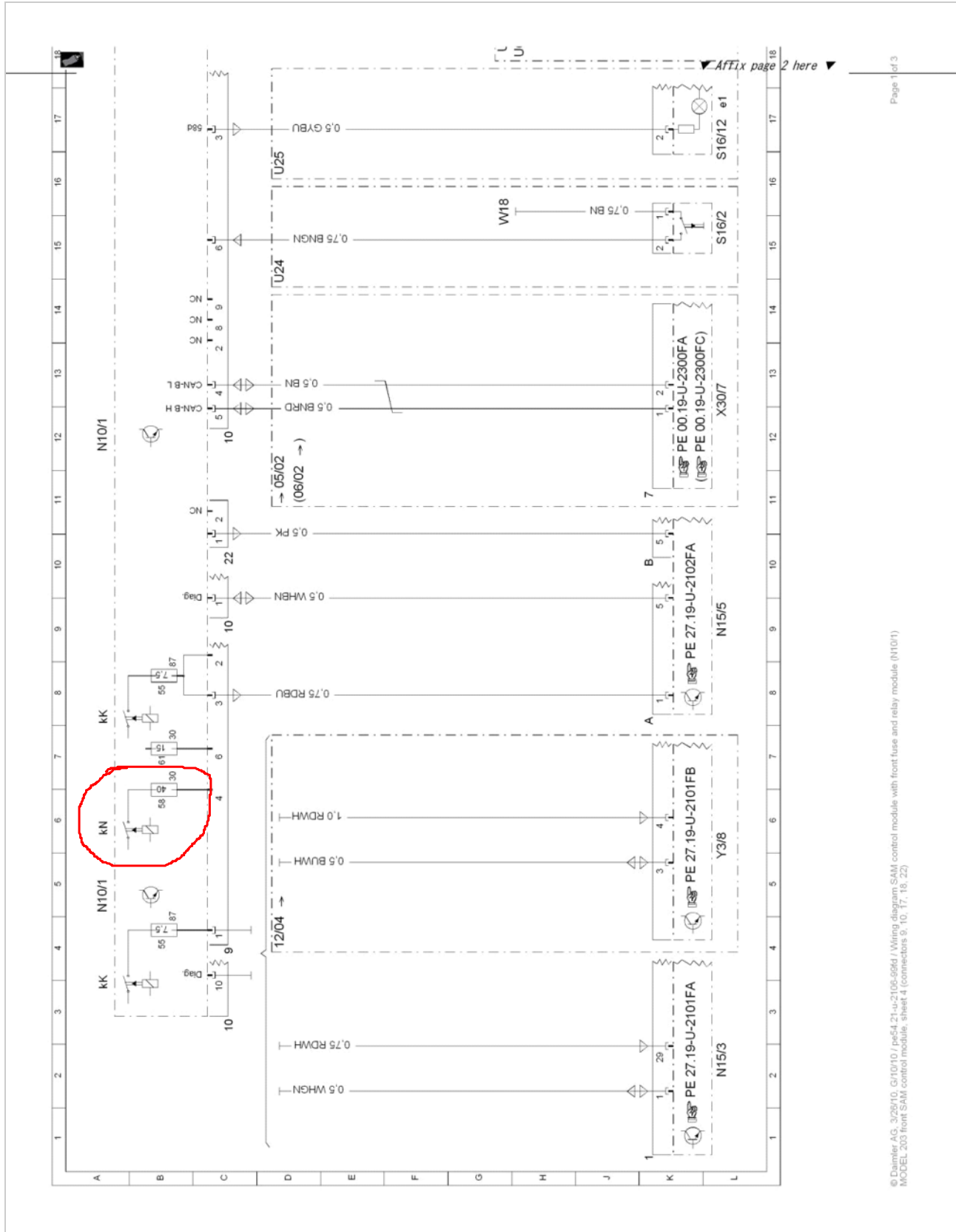
N10/1



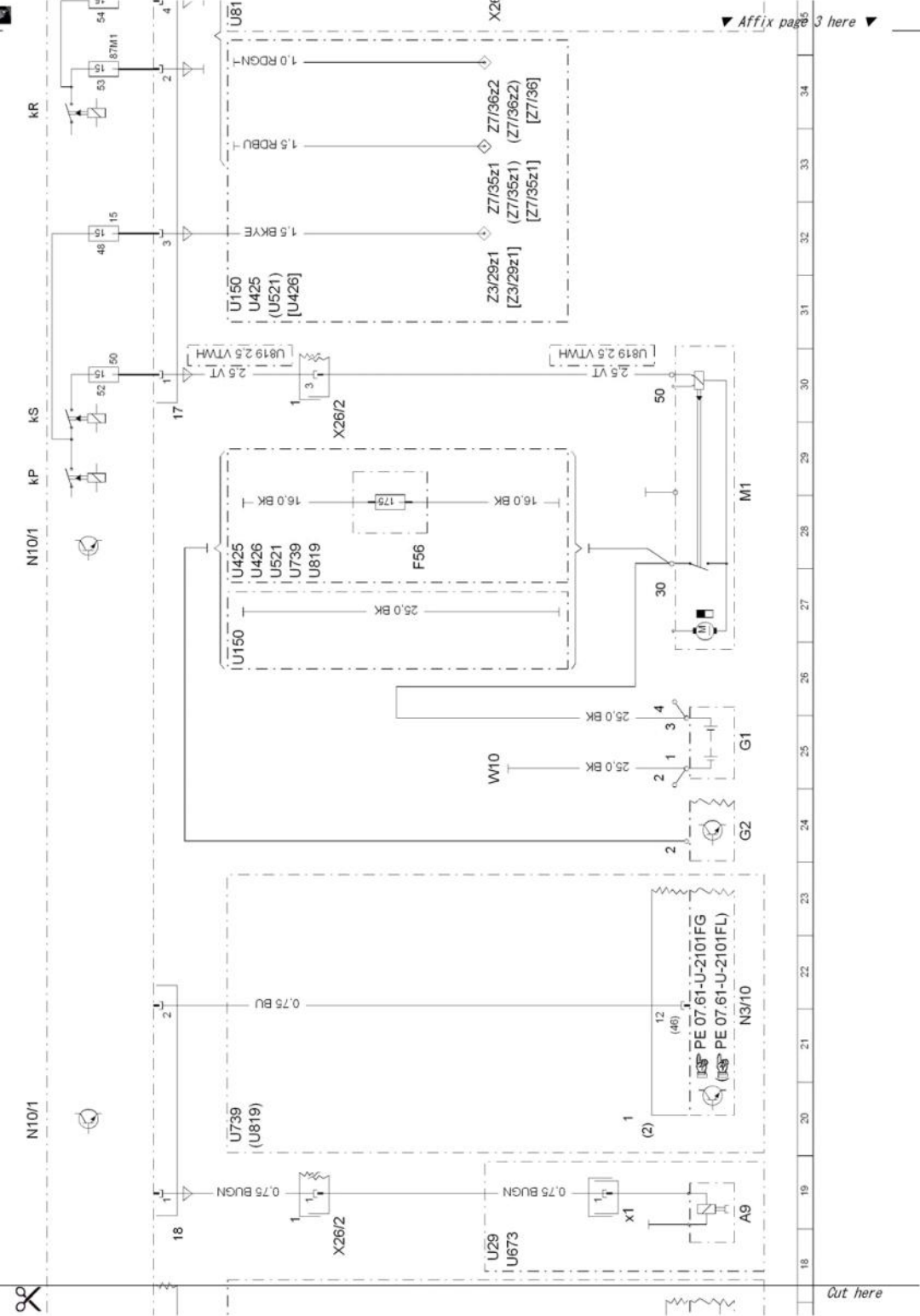
N10/1

- PE 54.21-U-2106FA
- PE 54.21-U-2106FB
- PE 54.21-U-2106FC
- PE 54.21-U-2106FE
- PE 54.21-U-2106FF





18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35



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