



**BOMAG**  
FAYAT GROUP

Bomag GmbH  
Industriegebiet Hellerwald  
D-56154 Boppard

**Wiring illustration  
Verkabelungsdarstellung**

|  |                             |   |
|--|-----------------------------|---|
|  | thick lines<br>dicke Linien | routing on Powerboard<br>Routing auf Powerboard |
|  | thin lines<br>dünne Linien  | harness wiring<br>Kabelbäume                    |



|                     |                               |   |   |                          |   |   |   |   |            |                                   |                        |
|---------------------|-------------------------------|---|---|--------------------------|---|---|---|---|------------|-----------------------------------|------------------------|
| 0                   | 1                             | 2   | 3 | 4                        | 5 | 6 | 7 | 8 | 9          |                                   |                        |
| Created<br>Erstellt | <b>M. Vogt</b><br>30.01.2019  | <b>BW 211-226 D, DH, BVC-5</b><br><b>Deutz TCD 2012/13 Tier 3</b> |   | Cover sheet<br>Deckblatt |   |   |   |   |            | Page<br>Blatt <b>1</b>            | from<br>von <b>100</b> |
| Checked<br>Geprüft  | <b>K. Brand</b><br>30.01.2019 |   |   |                          |   |   |   |   |            | Kind of Document<br>Dokumentenart | <b>&amp;AAA</b>        |
|                     |                               |   |   |                          |   |   |   |   | <b>609</b> | EPE/00                            |                        |

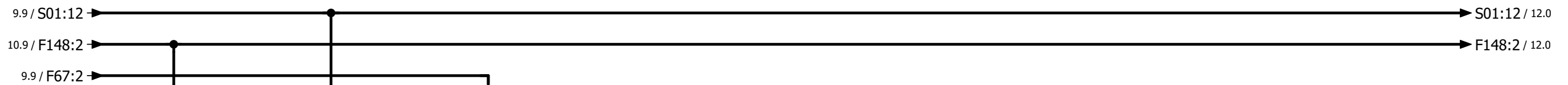
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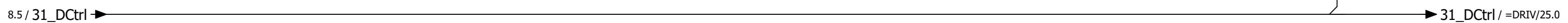
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X35  
Plug, ECU propulsion  
Stecker ECU Fahrtrieb

| Ground Electronic<br>Masse Elektronik<br>GND | Ground Electronic<br>Masse Elektronik<br>GND | Ground Electronic<br>Masse Elektronik<br>GND | Ground Electronic<br>Masse Elektronik<br>GND | Ground Electronic<br>Masse Elektronik<br>GND |
|--|--|--|--|--|
| A34<br>GND                                   | A34<br>GND                                   | A34<br>GND                                   | A34<br>GND                                   | A34<br>GND                                   |
| X35 55                                       | X35 65                                       | X35 66                                       | X35 67                                       | X35 68                                       |

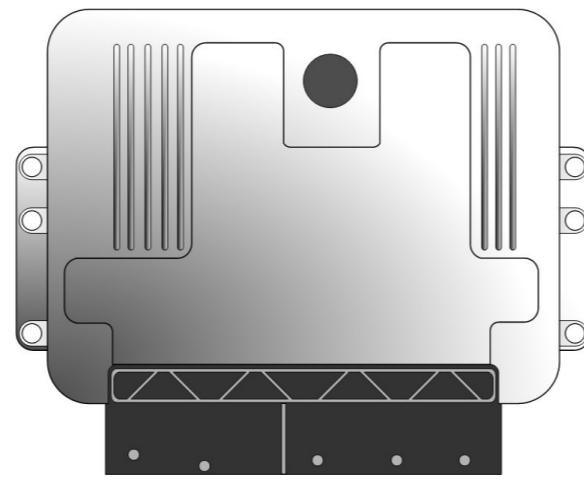
| X35 28              | X35 54   | X35 56  | X35 57  | X35 58  | X35 59  | X35 60  |
|---------------------|--|---|---|---|---|---|
| +Ignition / 0..32V  | +UE / 0..32V   | +UB / 0..32V  | +UB / 0..32V  | +UB / 0..32V  | +UB / 0..32V  | +UB / 0..32V  |
| A34                 | A34  | A34   | A34   | A34   | A34   | A34   |
| + Ignition          | +UE  | +UB   | +UB   | +UB   | +UB   | +UB   |
| Ignition<br>Zündung | Power Supply (Electronic)<br>Spannungsvers. (Elektronik) | Power Supply (Outputs)<br>Spannungsvers. (Ausgänge) | Power Supply (Outputs)<br>Spannungsvers. (Ausgänge) | Power Supply (Outputs)<br>Spannungsvers. (Ausgänge) | Power Supply (Outputs)<br>Spannungsvers. (Ausgänge) | Power Supply (Outputs)<br>Spannungsvers. (Ausgänge) |



A48

D2

Engine-controller EMR3 (EDC 16)  
Motorsteuergerät EMR3 (EDC 16)



Plug, engine-controller motor-part  
Stecker Motorsteuergerät Motorseite = X44

D2.1 (A)

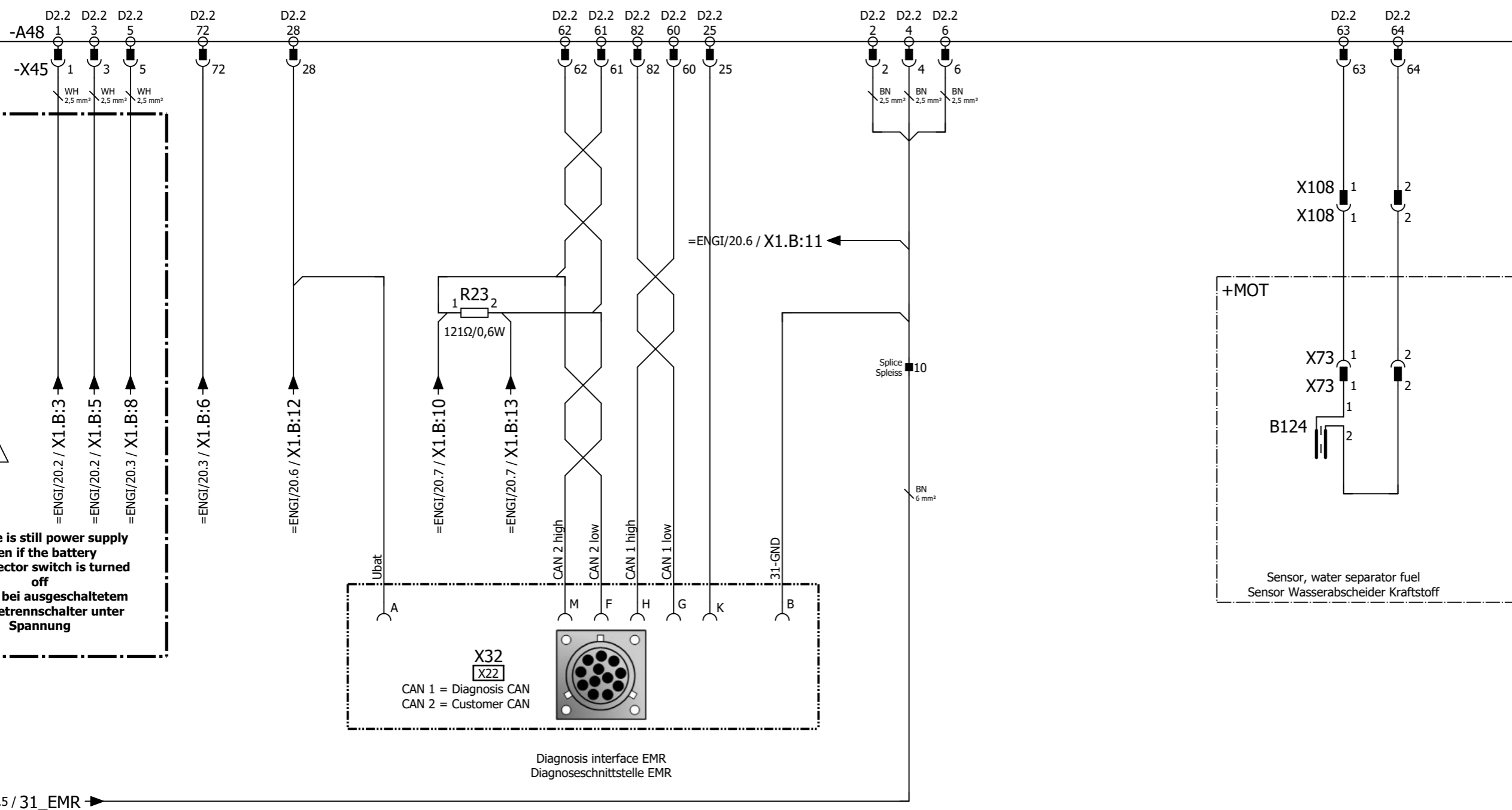
D2.2 (K)

Plug, engine-controller machine-part  
X45 = Stecker Motorsteuergerät Maschinenseite

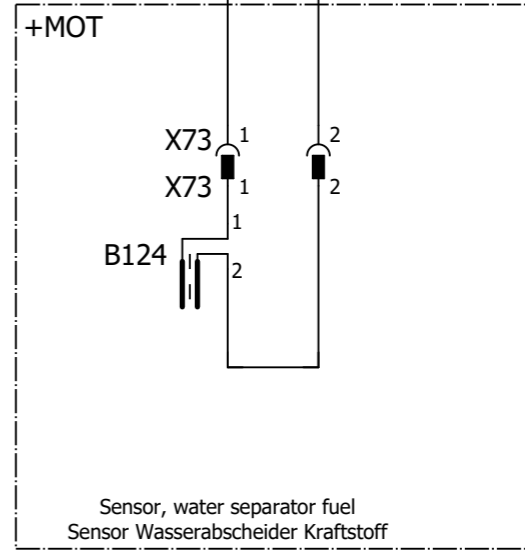
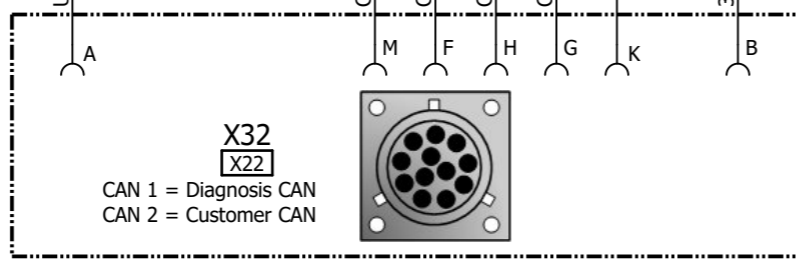
Harness EMR - Engine interface  
Kabelbaum EMR - Motorschnittstelle

Harness Engine interface - Engine internal  
Kabelbaum Motorschnittstelle - Motorintern

WIF



!!! There is still power supply even if the battery disconnecter switch is turned off  
!!! Auch bei ausgeschaltetem Batterietrennschalter unter Spannung

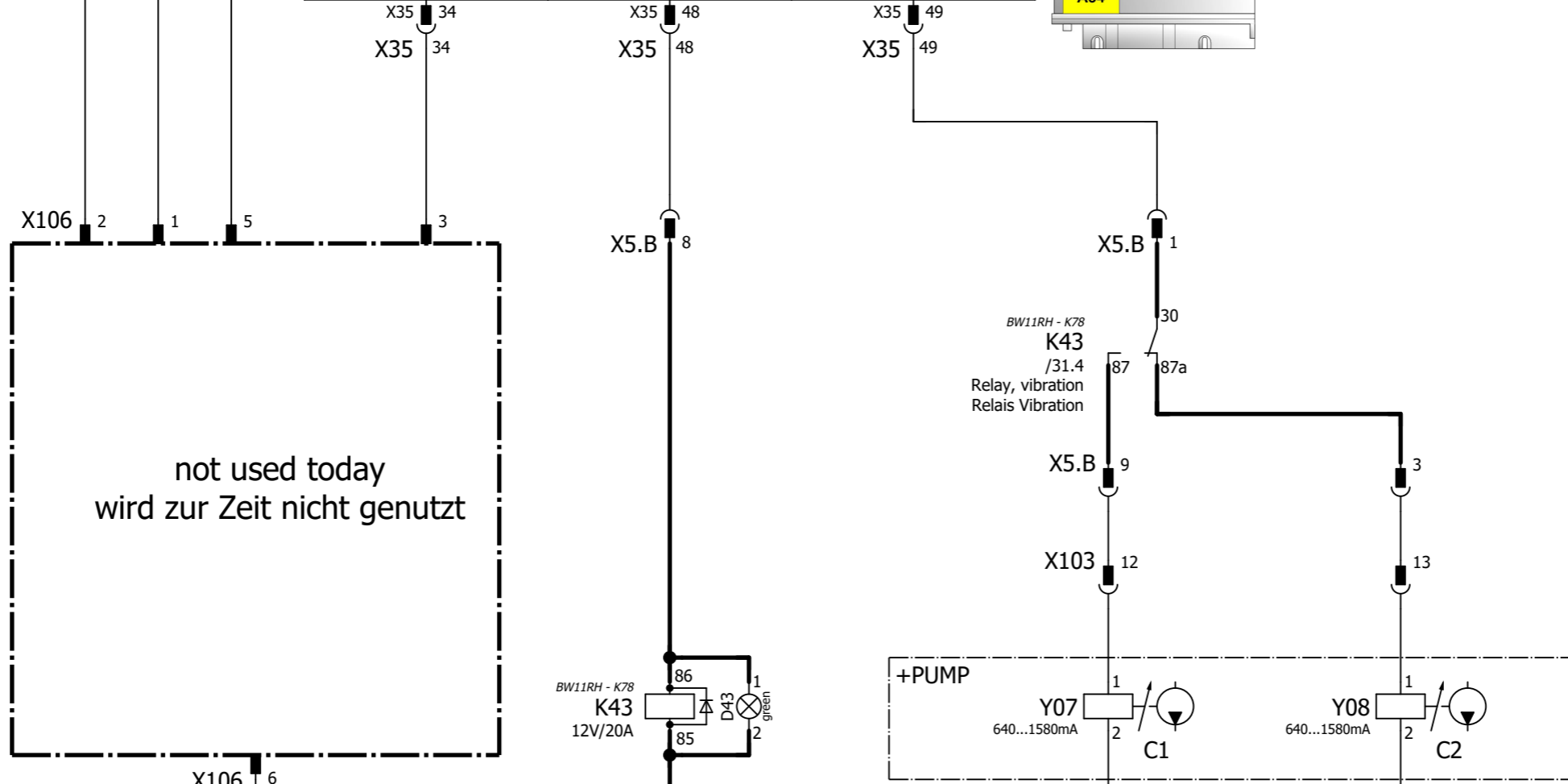


=SUPL/8.5 / 31\_EMR

|  |   |   |                      |   |   |   |   |  |  |                      |
|--|---|---|----------------------|---|---|---|---|--|--|----------------------|
| 0  | 1   | 2 | 3                    | 4   | 5 | 6 | 7 | 8  | 9  |                      |
| Created<br>Erstellt<br>M. Vogt<br>30.01.2019 | BW 211-226 D, DH, BVC-5<br>Deutz TCD 2012/13 Tier 3 |   | BOMAG<br>FAYAT GROUP | Deutz TCD 2012 Machine part<br>Deutz TCD 2012 Fahrzeugseite |   |   |   | Higher-level function Anlage =ENGI3<br>Mounting location Einbauort +EBOX | Page Blatt 21<br>Kind of Document Dokumentenart &EFS | from von 100<br>&EFS |
| Checked<br>Geprüft<br>K. Brand<br>30.01.2019 |   |   |                      |   |   |   |   | 609  | EPE/00   |                      |

=DRIV/25.9 / X106:5  
 =DRIV/25.9 / X106:1  
 =DRIV/25.9 / AGND

| Speed vibration drum<br>Drehzahl Vibration Bandage | Vibration pump low/high<br>Vibrationspumpe klein/groß | Vibration pump PWM<br>Vibrationspumpe PWM |
|--|---|---|
| DIN_1  | PWM_3   | PWM_4                                     |
| A34  | A34   | A34                                       |
| DIN1 / 0..32V, DRZ                                 | OUT3 / 4A curr.-mesur.                                | OUT4 / 4A curr.-mesur.                    |



=DRIV+REFR/29.9 / 31\_DCtrI  
 =DRIV+REFR/30.6 / 31\_RFr  
 =DRIV+REFR/30.9 / Gnd\_PB

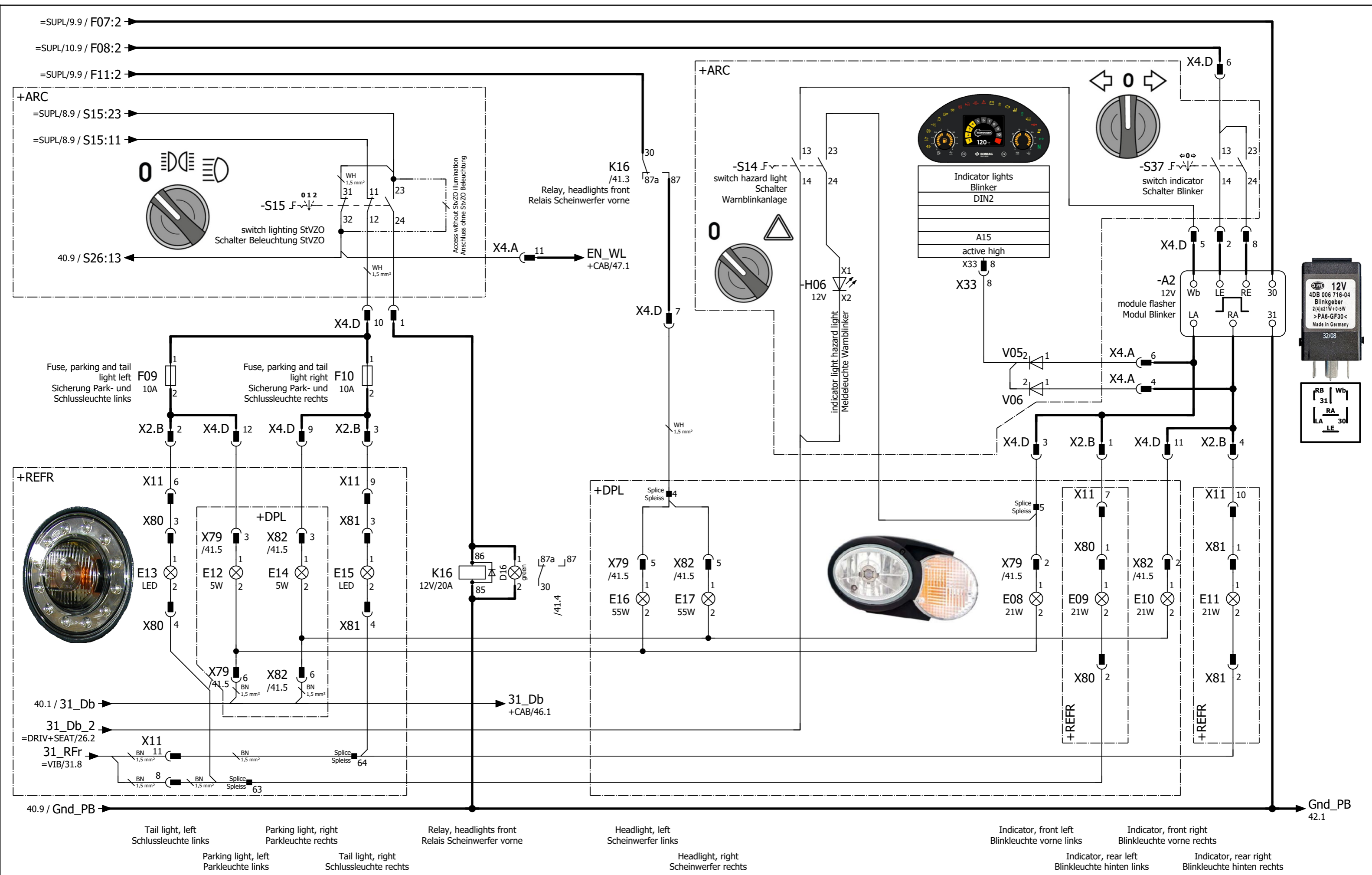
31\_DCtrI / =DBL/33.1  
 31\_RFr / =OPT/41.0  
 Gnd\_PB / =OPT/40.0

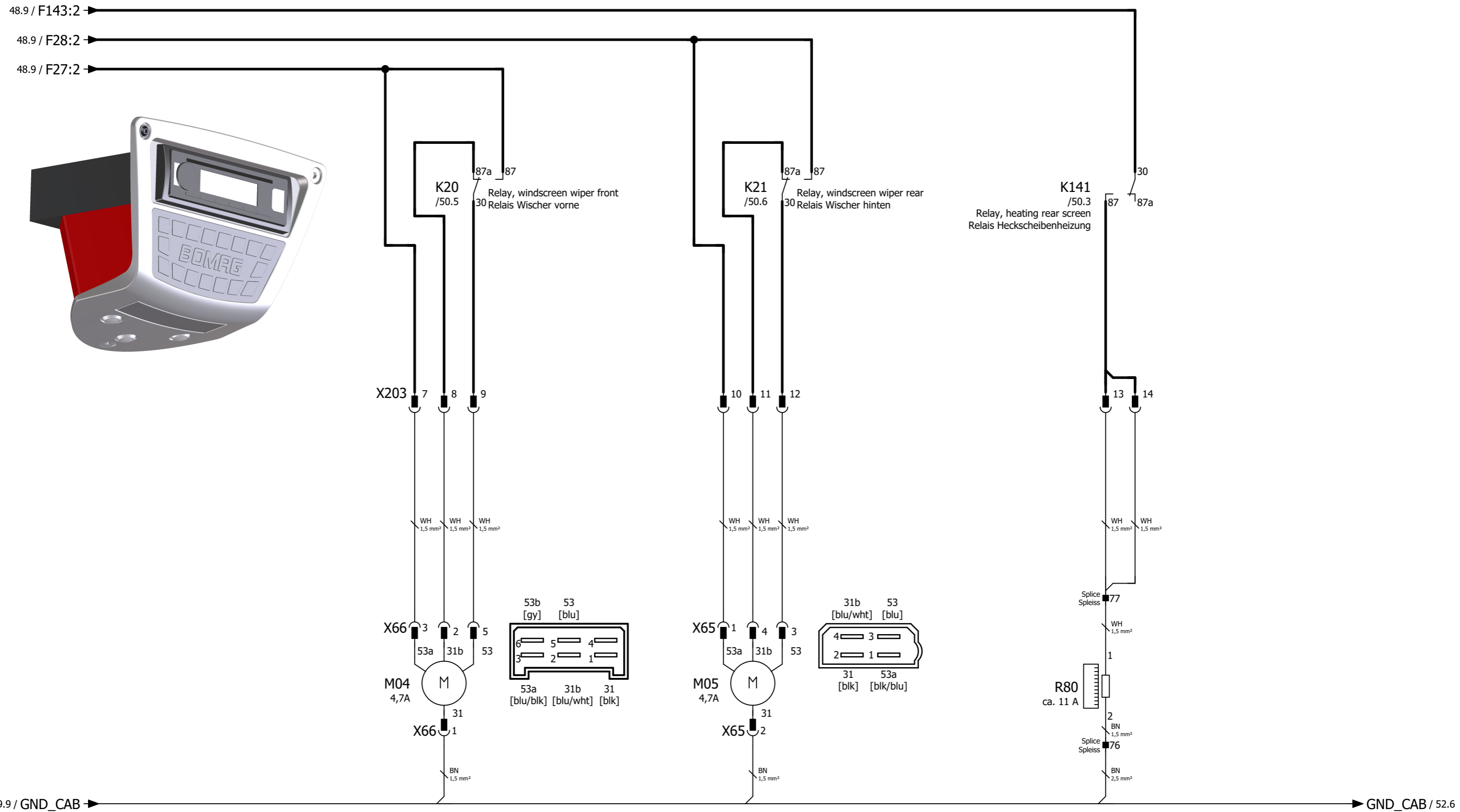
87  
 87a 30 / 31.5

Relay, vibration  
 Relais Vibration

Solenoid valve, vibration front high  
 Magnetventil Vibration vorne gross

Solenoid valve, vibration front low  
 Magnetventil Vibration vorne klein





Motor, windscreen wiper front  
Scheibenwischemotor vorne

Motor, windscreen wiper rear  
Scheibenwischemotor hinten

Rear window heater  
Heizung Heckscheibe

# Device tag list

## Betriebsmittelliste

BO\_F03\_001

| Device tag<br>BMK | Page Path<br>Blatt Pfad | Mounting location<br>Einbauort | Higher-level function<br>Anlage | Function text                                | Funktionstext                          | characteristics<br>Techn.-Kenngrößen |
|-------------------|-------------------------|--------------------------------|---------------------------------|--|--|--------------------------------------|
| V08               | 25 5                    | +EBOX                          |                                 | diode  | Diode                                  | S1M                                  |
| V09               | 25 7                    | +EBOX                          |                                 | - " -  | - " -                                  | S1M                                  |
| V10               | 25 7                    | +EBOX                          |                                 | - " -  | - " -                                  | S1M                                  |
| Y04               | 29 5                    | +REFR                          |                                 | Solenoid valve, brake                        | Magnetventil Bremse                    | 2,41A                                |
| Y07               | 31 5                    | +PUMP                          |                                 | Solenoid valve, vibration front high         | Magnetventil Vibration vorne gross     | 640...1580mA                         |
| Y08               | 31 6                    | +PUMP                          |                                 | Solenoid valve, vibration front low          | Magnetventil Vibration vorne klein     | 640...1580mA                         |
| Y15               | 46 1                    | +MOT                           |                                 | Magnetic clutch, air conditioning compressor | Magnetkupplung Klimakompressor         | 3,5A                                 |
| Y16               | 28 2                    | +PUMP                          |                                 | Solenoid valve, travel direction forward     | Magnetventil Fahrtrichtung vorwärts    | 640...1580mA                         |
| Y17               | 28 3                    | +PUMP                          |                                 | Solenoid valve, travel direction backward    | Magnetventil Fahrtrichtung rückwärts   | 640...1580mA                         |
| Y30               | 29 7                    | +REFR                          |                                 | Solenoid valve, speed range selection drum   | Magnetventil Fahrstufe Bandage         | 2,41A                                |
| Y30               | 29 8                    | +DRUM                          |                                 | - " -  | - " -                                  | 1,05A                                |
| Y31               | 29 4                    | +REFR                          |                                 | Solenoid valve, speed range selection axle   | Magnetventil Fahrstufe Achse           | 1,05A                                |
| Y60               | 35 5                    | +REFR                          |                                 | Solenoid valve, floating position            | Magnetventil Schwimmstellung           |                                      |
| Y72               | 28 4                    | +PUMP                          |                                 | Solenoid valve, travel direction forward     | Magnetventil Fahrtrichtung vorwärts    | 640...1580mA                         |
| Y73               | 28 5                    | +PUMP                          |                                 | Solenoid valve, travel direction backward    | Magnetventil Fahrtrichtung rückwärts   | 640...1580mA                         |
| Y98               | 34 7                    | +MOT                           |                                 | Solenoid valve, vibration pump plates        | Magnetventil Vibrationspumpe Platten   | 400-1200mA                           |
| Y102              | 33 4                    | +DRUM                          |                                 | Solenoid valve, floating position            | Magnetventil Schwimmstellung           |                                      |
| Y122              | 35 1                    | +REFR                          |                                 | Solenoid valve, lift plates                  | Magnetventil Platten heben             |                                      |
| Y123              | 35 2                    | +REFR                          |                                 | Solenoid valve, let down plates              | Magnetventil Platten senken            |                                      |
| Y137              | 23 9                    | +MOT                           |                                 | solenoid valve adjustment EMR                | Magnetventil Arretierung EMR           |                                      |
| Y140              | 32 7                    | +DRUM                          |                                 | Solenoid valve, exciter up                   | Magnetventil Erreger auf               | 400-1200mA                           |
| Y141              | 32 8                    | +DRUM                          |                                 | Solenoid valve, exciter down                 | Magnetventil Erreger ab                | 400-1200mA                           |
| Y142              | 35 3                    | +REFR                          |                                 | Solenoid valve, plate displace left          | Magnetventil Plattenverschieben links  |                                      |
| Y143              | 35 3                    | +REFR                          |                                 | Solenoid valve, plate displace right         | Magnetventil Plattenverschieben rechts |                                      |
| Y144              | 35 5                    | +REFR                          |                                 | Solenoid valve, plate floating position      | Magnetventil Platten Schwimmstellung   |                                      |
| Y145              | 35 4                    | +REFR                          |                                 | Solenoid valve, plate (priority)             | Magnetventil Platten (Priorität)       |                                      |
| Y147              | 22 2                    | +MOT                           |                                 | Injector A1                                  | Injektor A1                            |                                      |
| Y148              | 22 3                    | +MOT                           |                                 | Injector A2                                  | Injektor A2                            |                                      |
| Y149              | 22 2                    | +MOT                           |                                 | Injector A3                                  | Injektor A3                            |                                      |
| Y166              | 22 3                    | +MOT                           |                                 | Injector A4                                  | Injektor A4                            |                                      |
| Y169              | 22 3                    | +MOT                           |                                 | Injector A6                                  | Injektor A6                            |                                      |
| Y170              | 22 2                    | +MOT                           |                                 | Injector A5                                  | Injektor A5                            |                                      |
| Y378              | 33 3                    | +DRUM                          |                                 | Solenoid valve, dozer blade priority         | Magnetventil Planierschild Priorität   |                                      |
| Y379              | 33 5                    | +DRUM                          |                                 | Solenoid valve, lift dozer blade             | Magnetventil Planierschild heben       |                                      |
| Y380              | 33 6                    | +DRUM                          |                                 | Solenoid valve, lower dozer blade            | Magnetventil Planierschild senken      |                                      |

# Plug overview Steckerübersicht

BO\_F22\_002

| Plug Stecker                   | -X46                                  | Mounting location Einbauort | +MOT         |
|--------------------------------|---------------------------------------|-----------------------------|--------------|
| Function text<br>Funktionstext | Plug, engine EMR<br>Stecker Motor EMR |                             |              |
| Plug type<br>Steckertyp        | EPC 42 pole                           |                             |              |
| Contact Kontakt                | Wire harness<br>Kabelbaum             | Page<br>Blatt               | Path<br>Pfad |
| 1 ♂                            |                                       | 23                          | 5            |
| 2 ♂                            |                                       |                             |              |
| 3 ♂                            |                                       |                             |              |
| 4 ♂                            |                                       |                             |              |
| 5 ♂                            |                                       |                             |              |
| 6 ♂                            |                                       |                             |              |
| 7 ♂                            |                                       |                             |              |
| 8 ♂                            |                                       |                             |              |
| 9 ♂                            |                                       | 23                          | 4            |
| 10 ♂                           |                                       | 23                          | 6            |
| 11 ♂                           |                                       |                             |              |
| 12 ♂                           |                                       |                             |              |
| 13 ♂                           |                                       | 23                          | 4            |
| 14 ♂                           |                                       | 23                          | 3            |
| 15 ♂                           |                                       | 23                          | 4            |
| 16 ♂                           |                                       | 23                          | 7            |
| 17 ♂                           |                                       | 23                          | 6            |
| 18 ♂                           |                                       |                             |              |
| 19 ♂                           |                                       | 23                          | 9            |
| 20 ♂                           |                                       | 23                          | 9            |
| 21 ♂                           |                                       | 23                          | 5            |
| 22 ♂                           |                                       | 23                          | 8            |
| 23 ♂                           |                                       | 23                          | 8            |
| 24 ♂                           |                                       | 23                          | 6            |
| 25 ♂                           |                                       | 23                          | 2            |
| 26 ♂                           |                                       | 23                          | 1            |
| 27 ♂                           |                                       | 23                          | 2            |
| 28 ♂                           |                                       | 23                          | 7            |
| 29 ♂                           |                                       | 23                          | 8            |
| 30 ♂                           |                                       | 23                          | 5            |
| 31 ♂                           |                                       | 23                          | 2            |
| 32 ♂                           |                                       | 23                          | 3            |
| 33 ♂                           |                                       | 23                          | 2            |
| 34 ♂                           |                                       | 22                          | 1            |
| 35 ♂                           |                                       | 22                          | 2            |
| 36 ♂                           |                                       | 22                          | 3            |
| 37 ♂                           |                                       | 22                          | 2            |
| 38 ♂                           |                                       |                             |              |
| 39 ♂                           |                                       | 22                          | 3            |
| 40 ♂                           |                                       | 22                          | 2            |
| 41 ♂                           |                                       | 22                          | 3            |
| 42 ♂                           |                                       | 22                          | 4            |
| 34 ♂                           |                                       | 22                          | 5            |
| 35 ♂                           |                                       | 22                          | 5            |
| 37 ♂                           |                                       | 22                          | 6            |
| 40 ♂                           |                                       | 22                          | 6            |
| 41 ♂                           |                                       | 22                          | 6            |
| 42 ♂                           |                                       | 22                          | 7            |

| Plug Stecker                   | -X46                                  | Mounting location Einbauort | +MOT         |
|--------------------------------|---------------------------------------|-----------------------------|--------------|
| Function text<br>Funktionstext | Plug, engine EMR<br>Stecker Motor EMR |                             |              |
| Plug type<br>Steckertyp        | EPC 42 pole Code B                    |                             |              |
| Contact Kontakt                | Wire harness<br>Kabelbaum             | Page<br>Blatt               | Path<br>Pfad |
| 1 ♀                            |                                       | 23                          | 5            |
| 2 ♀                            |                                       |                             |              |
| 3 ♀                            |                                       |                             |              |
| 4 ♀                            |                                       |                             |              |
| 5 ♀                            |                                       |                             |              |
| 6 ♀                            |                                       |                             |              |
| 7 ♀                            |                                       |                             |              |
| 8 ♀                            |                                       |                             |              |
| 9 ♀                            |                                       | 23                          | 4            |
| 10 ♀                           |                                       | 23                          | 6            |
| 11 ♀                           |                                       |                             |              |
| 12 ♀                           |                                       |                             |              |
| 13 ♀                           |                                       | 23                          | 4            |
| 14 ♀                           |                                       | 23                          | 3            |
| 15 ♀                           |                                       | 23                          | 4            |
| 16 ♀                           |                                       | 23                          | 7            |
| 17 ♀                           |                                       | 23                          | 6            |
| 18 ♀                           |                                       |                             |              |
| 19 ♀                           |                                       | 23                          | 9            |
| 20 ♀                           |                                       | 23                          | 9            |
| 21 ♀                           |                                       | 23                          | 5            |
| 22 ♀                           |                                       | 23                          | 8            |
| 23 ♀                           |                                       | 23                          | 8            |
| 24 ♀                           |                                       | 23                          | 6            |
| 25 ♀                           |                                       | 23                          | 2            |
| 26 ♀                           |                                       | 23                          | 1            |
| 27 ♀                           |                                       | 23                          | 2            |
| 28 ♀                           |                                       | 23                          | 7            |
| 29 ♀                           |                                       | 23                          | 8            |
| 30 ♀                           |                                       | 23                          | 5            |
| 31 ♀                           |                                       | 23                          | 2            |
| 32 ♀                           |                                       | 23                          | 3            |
| 33 ♀                           |                                       | 23                          | 2            |
| 34 ♀                           |                                       | 22                          | 1            |
| 35 ♀                           |                                       | 22                          | 2            |
| 36 ♀                           |                                       | 22                          | 3            |
| 37 ♀                           |                                       | 22                          | 2            |
| 38 ♀                           |                                       |                             |              |
| 39 ♀                           |                                       | 22                          | 3            |
| 40 ♀                           |                                       | 22                          | 2            |
| 41 ♀                           |                                       | 22                          | 3            |
| 42 ♀                           |                                       | 22                          | 4            |
| 34 ♀                           |                                       | 22                          | 5            |
| 35 ♀                           |                                       | 22                          | 5            |
| 37 ♀                           |                                       | 22                          | 6            |
| 40 ♀                           |                                       | 22                          | 6            |
| 41 ♀                           |                                       | 22                          | 6            |
| 42 ♀                           |                                       | 22                          | 7            |

| Plug Stecker                   | -X50.f  | Mounting location Einbauort | +CAB         |
|--------------------------------|---|-----------------------------|--------------|
| Function text<br>Funktionstext | Plug, access display back up monitoring<br>Stecker Anschluß Monitor Rückraumüberwachung |                             |              |
| Plug type<br>Steckertyp        | Deutsch DT 6 pole   |                             |              |
| Contact Kontakt                | Wire harness<br>Kabelbaum   | Page<br>Blatt               | Path<br>Pfad |
| 1 ♂                            |   | 54                          | 5            |
| 2 ♂                            |   | 54                          | 5            |
| 3 ♂                            |   | 54                          | 5            |
| 4 ♂                            |   |                             |              |
| 5 ♂                            |   |                             |              |
| 6 ♂                            |   |                             |              |

| Plug Stecker                   | -X50.m  | Mounting location Einbauort | +CAB         |
|--------------------------------|---|-----------------------------|--------------|
| Function text<br>Funktionstext | Plug, access display back up monitoring<br>Stecker Anschluß Monitor Rückraumüberwachung |                             |              |
| Plug type<br>Steckertyp        | Deutsch DT 6 pole   |                             |              |
| Contact Kontakt                | Wire harness<br>Kabelbaum   | Page<br>Blatt               | Path<br>Pfad |
| 1 ♀                            |   | 54                          | 5            |
| 2 ♀                            |   | 54                          | 5            |
| 3 ♀                            |   | 54                          | 5            |
| 4 ♀                            |   | 54                          | 5            |
| 5 ♀                            |   | 54                          | 5            |
| 6 ♀                            |   |                             |              |

| Plug Stecker                   | -X51  | Mounting location Einbauort | +MOT         |
|--------------------------------|---|-----------------------------|--------------|
| Function text<br>Funktionstext | Plug, electronic system ZTR telematics<br>Stecker Elektronik System ZTR Telematic |                             |              |
| Plug type<br>Steckertyp        | Deutsch DT 8 pole Code A  |                             |              |
| Contact Kontakt                | Wire harness<br>Kabelbaum   | Page<br>Blatt               | Path<br>Pfad |
| 1 ♂                            |   | 44                          | 2            |
| 2 ♂                            |   | 44                          | 2            |
| 3 ♂                            |   | 44                          | 2            |
| 4 ♂                            |   |                             |              |
| 5 ♂                            |   |                             |              |
| 6 ♂                            |   |                             |              |
| 7 ♂                            |   |                             |              |
| 8 ♂                            |   |                             |              |

| Plug Stecker                   | -X51  | Mounting location Einbauort | +MOT         |
|--------------------------------|---|-----------------------------|--------------|
| Function text<br>Funktionstext | Plug, electronic system ZTR telematics<br>Stecker Elektronik System ZTR Telematic |                             |              |
| Plug type<br>Steckertyp        | Deutsch DT 8 pole Code A  |                             |              |
| Contact Kontakt                | Wire harness<br>Kabelbaum   | Page<br>Blatt               | Path<br>Pfad |
| 1 ♀                            |   | 44                          | 2            |
| 2 ♀                            |   | 44                          | 2            |
| 3 ♀                            |   | 44                          | 2            |
| 4 ♀                            |   |                             |              |
| 5 ♀                            |   |                             |              |
| 6 ♀                            |   |                             |              |
| 7 ♀                            |   |                             |              |
| 8 ♀                            |   |                             |              |

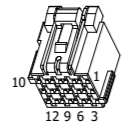
| Plug Stecker                   | -X55  | Mounting location Einbauort | +PUMP        |
|--------------------------------|---|-----------------------------|--------------|
| Function text<br>Funktionstext | Plug, pressure sensor travel pump axle MA<br>Stecker Drucksensor Fahrpumpe Achse MA |                             |              |
| Plug type<br>Steckertyp        | AMP Superseal 3pol  |                             |              |
| Contact Kontakt                | Wire harness<br>Kabelbaum   | Page<br>Blatt               | Path<br>Pfad |
| 1                              |   | 27                          | 2            |
| 2                              |   | 27                          | 2            |
| 3                              |   |                             |              |


| Plug Stecker                   | -X56  | Mounting location Einbauort | +PUMP        |
|--------------------------------|---|-----------------------------|--------------|
| Function text<br>Funktionstext | Plug, pressure sensor travel pump axle MB<br>Stecker Drucksensor Fahrpumpe Achse MB |                             |              |
| Plug type<br>Steckertyp        | AMP Superseal 3pol  |                             |              |
| Contact Kontakt                | Wire harness<br>Kabelbaum   | Page<br>Blatt               | Path<br>Pfad |
| 1                              |   | 27                          | 3            |
| 2                              |   | 27                          | 3            |
| 3                              |   |                             |              |


| Plug Stecker                   | -X57  | Mounting location Einbauort | +PUMP        |
|--------------------------------|---|-----------------------------|--------------|
| Function text<br>Funktionstext | Plug, pressure sensor travel pump drum MA<br>Stecker Drucksensor Fahrpumpe Bandage MA |                             |              |
| Plug type<br>Steckertyp        | AMP Superseal 3pol  |                             |              |
| Contact Kontakt                | Wire harness<br>Kabelbaum   | Page<br>Blatt               | Path<br>Pfad |
| 1                              |   | 27                          | 4            |
| 2                              |   | 27                          | 4            |
| 3                              |   |                             |              |


# Plug overview Steckerübersicht

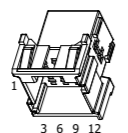
BO\_F22\_002


|                             |   |                             |   |
|-----------------------------|---|-----------------------------|---|
| Plug Stecker                | -XS28.f   | Mounting location Einbauort | +DPL  |
| Function text Funktionstext | Plug, timer additional heater Stecker Schaltuhr Zusatzheizung |                             |   |
| Plug type Steckertyp        | AMP Junior Power Timer 12 pole grey                           |                             |   |
| Contact Kontakt             | Wire harness Kabelbaum  |                             |  |
|                             | Page Path Blatt Pfad  |                             |   |
| 3 ʌ                         |   |                             |   |
| 4 ʌ                         | <b>45 5</b>   |                             |   |
| 5 ʌ                         |   |                             |   |
| 6 ʌ                         | <b>45 6</b>   |                             |   |
| 7 ʌ                         |   |                             |   |
| 8 ʌ                         | <b>45 6</b>   |                             |   |
| 9 ʌ                         | <b>45 6</b>   |                             |   |
| 10 ʌ                        | <b>45 6</b>   |                             |   |
| 11 ʌ                        | <b>45 6</b>   |                             |   |
| 12 ʌ                        | <b>45 6</b>   |                             |   |


|                             |   |                             |   |
|-----------------------------|---|-----------------------------|---|
| Plug Stecker                | -XS35.14  | Mounting location Einbauort | +ARC  |
| Function text Funktionstext | Plug, switch S35 pin 14 Stecker Schalter S35 Pin 14 |                             |   |
| Plug type Steckertyp        | FASTON 6,3mm  |                             |   |
| Contact Kontakt             | Wire harness Kabelbaum                              | Armaturen                   |  |
|                             | Page Path Blatt Pfad                                |                             |   |
| 1 ʌ                         | <b>26 7</b>   |                             |   |

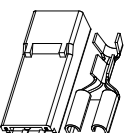
|                             |   |                             |   |
|-----------------------------|---|-----------------------------|---|
| Plug Stecker                | -XS36.14  | Mounting location Einbauort | +SEAT   |
| Function text Funktionstext | Plug, switch S299 pin 14 Stecker Schalter S299 Pin 14 |                             |   |
| Plug type Steckertyp        | FASTON 6,3mm  |                             |   |
| Contact Kontakt             | Wire harness Kabelbaum                                | Armaturen                   |  |
|                             | Page Path Blatt Pfad                                  |                             |   |
| 1 ʌ                         | <b>26</b>   |                             |   |


|                             |   |                             |   |
|-----------------------------|---|-----------------------------|---|
| Plug Stecker                | -XS64.14  | Mounting location Einbauort | +SEAT   |
| Function text Funktionstext | Plug, switch S64 pin 14 Stecker Schalter S64 Pin 14 |                             |   |
| Plug type Steckertyp        | FASTON 6,3mm  |                             |   |
| Contact Kontakt             | Wire harness Kabelbaum                              | Armaturen                   |  |
|                             | Page Path Blatt Pfad                                |                             |   |
| 1 ʌ                         | <b>26 6</b>   |                             |   |

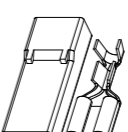
|                             |  |                             |  |
|-----------------------------|--|-----------------------------|--|
| Plug Stecker                | -XS28.m  | Mounting location Einbauort | +DPL   |
| Function text Funktionstext | Plug, heating unit additional heater Stecker Heizgerät Zusatzheizung |                             |  |
| Plug type Steckertyp        | AMP Junior Power Timer 12 pole grey                                  |                             |  |
| Contact Kontakt             | Wire harness Kabelbaum   |                             |  |
|                             | Page Path Blatt Pfad   |                             |  |
| 1 ʌ                         | <b>45 6</b>  |                             |  |
| 2 ʌ                         |  |                             |  |
| 3 ʌ                         |  |                             |  |
| 4 ʌ                         |  |                             |  |
| 5 ʌ                         |  |                             |  |
| 6 ʌ                         | <b>45 6</b>  |                             |  |
| 7 ʌ                         |  |                             |  |
| 8 ʌ                         | <b>45 6</b>  |                             |  |
| 9 ʌ                         | <b>45 6</b>  |                             |  |
| 10 ʌ                        |  |                             |  |
| 11 ʌ                        | <b>45 6</b>  |                             |  |
| 12 ʌ                        | <b>45 6</b>  |                             |  |

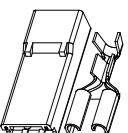
|                             |   |                             |   |
|-----------------------------|---|-----------------------------|---|
| Plug Stecker                | -XS35.23  | Mounting location Einbauort | +ARC  |
| Function text Funktionstext | Plug, switch S35 pin 23 Stecker Schalter S35 Pin 23 |                             |   |
| Plug type Steckertyp        | FASTON 6,3mm  |                             |   |
| Contact Kontakt             | Wire harness Kabelbaum                              | Armaturen                   |  |
|                             | Page Path Blatt Pfad                                |                             |   |
| 1 ʌ                         | <b>26 7</b>   |                             |   |

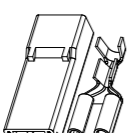
|                             |   |                             |   |
|-----------------------------|---|-----------------------------|---|
| Plug Stecker                | -XS42   | Mounting location Einbauort | +ARC  |
| Function text Funktionstext | Plug, switch speed range selector Stecker Schalter Fahrstufen |                             |   |
| Plug type Steckertyp        | AMP GET 6 way   |                             |   |
| Contact Kontakt             | Wire harness Kabelbaum  |                             |  |
|                             | Page Path Blatt Pfad  |                             |   |
| 1 ʌ                         | <b>26 0</b>   |                             |   |
| 2 ʌ                         | <b>26 1</b>   |                             |   |
| 3 ʌ                         | <b>26 1</b>   |                             |   |
| 4 ʌ                         | <b>26 1</b>   |                             |   |
| 5 ʌ                         | <b>26 1</b>   |                             |   |
| 6 ʌ                         | <b>26 1</b>   |                             |   |

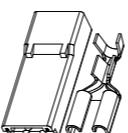
|                             |   |                             |   |
|-----------------------------|---|-----------------------------|---|
| Plug Stecker                | -XS127.13   | Mounting location Einbauort | +ARC  |
| Function text Funktionstext | Plug, switch S127 pin 13 Stecker Schalter S127 Pin 13 |                             |   |
| Plug type Steckertyp        | FASTON 6,3mm  |                             |   |
| Contact Kontakt             | Wire harness Kabelbaum                                | Armaturen                   |  |
|                             | Page Path Blatt Pfad                                  |                             |   |
| 1 ʌ                         | <b>19 2</b>   |                             |   |

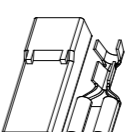
|                             |   |                             |   |
|-----------------------------|---|-----------------------------|---|
| Plug Stecker                | -XS35.24  | Mounting location Einbauort | +ARC  |
| Function text Funktionstext | Plug, switch S35 pin 24 Stecker Schalter S35 Pin 24 |                             |   |
| Plug type Steckertyp        | FASTON 6,3mm  |                             |   |
| Contact Kontakt             | Wire harness Kabelbaum                              | Armaturen                   |  |
|                             | Page Path Blatt Pfad                                |                             |   |
| 1 ʌ                         | <b>26 7</b>   |                             |   |

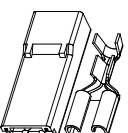
|                             |   |                             |   |
|-----------------------------|---|-----------------------------|---|
| Plug Stecker                | -XS55.Gnd   | Mounting location Einbauort | +SEAT   |
| Function text Funktionstext | Plug ground control lever travel Stecker Masse Steuerhebel fahren |                             |   |
| Plug type Steckertyp        | FASTON 6,3mm  |                             |   |
| Contact Kontakt             | Wire harness Kabelbaum  | Adapter Fahrhebel           |  |
|                             | Page Path Blatt Pfad  |                             |   |
| 1 ʌ                         | <b>14 9</b>   |                             |   |

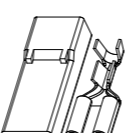
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|-----------------------------|---|-----------------------------|---|
| Plug Stecker                | -XS127.14   | Mounting location Einbauort | +ARC  |
| Function text Funktionstext | Plug, switch S127 pin 14 Stecker Schalter S127 Pin 14 |                             |   |
| Plug type Steckertyp        | FASTON 6,3mm  |                             |   |
| Contact Kontakt             | Wire harness Kabelbaum                                | Armaturen                   |  |
|                             | Page Path Blatt Pfad                                  |                             |   |
| 1 ʌ                         | <b>19 2</b>   |                             |   |

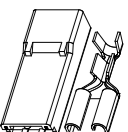
|                             |   |                             |   |
|-----------------------------|---|-----------------------------|---|
| Plug Stecker                | -XS35.13  | Mounting location Einbauort | +ARC  |
| Function text Funktionstext | Plug, switch S35 pin 13 Stecker Schalter S35 Pin 13 |                             |   |
| Plug type Steckertyp        | FASTON 6,3mm  |                             |   |
| Contact Kontakt             | Wire harness Kabelbaum                              | Armaturen                   |  |
|                             | Page Path Blatt Pfad                                |                             |   |
| 1 ʌ                         | <b>26 7</b>   |                             |   |

|                             |   |                             |   |
|-----------------------------|---|-----------------------------|---|
| Plug Stecker                | -XS36.13  | Mounting location Einbauort | +SEAT   |
| Function text Funktionstext | Plug, switch S299 pin 13 Stecker Schalter S299 Pin 13 |                             |   |
| Plug type Steckertyp        | FASTON 6,3mm  |                             |   |
| Contact Kontakt             | Wire harness Kabelbaum                                | Armaturen                   |  |
|                             | Page Path Blatt Pfad                                  |                             |   |
| 1 ʌ                         | <b>26 5</b>   |                             |   |
| 1 ʌ                         | <b>26</b>   |                             |   |

|                             |   |                             |   |
|-----------------------------|---|-----------------------------|---|
| Plug Stecker                | -XS64.13  | Mounting location Einbauort | +SEAT   |
| Function text Funktionstext | Plug, switch S64 pin 13 Stecker Schalter S64 Pin 13 |                             |   |
| Plug type Steckertyp        | FASTON 6,3mm  |                             |   |
| Contact Kontakt             | Wire harness Kabelbaum                              | Armaturen                   |  |
|                             | Page Path Blatt Pfad                                |                             |   |
| 1 ʌ                         | <b>26 6</b>   |                             |   |

|                             |   |                             |   |
|-----------------------------|---|-----------------------------|---|
| Plug Stecker                | -XS127.23   | Mounting location Einbauort | +ARC  |
| Function text Funktionstext | Plug, switch S127 pin 23 Stecker Schalter S127 Pin 23 |                             |   |
| Plug type Steckertyp        | FASTON 6,3mm  |                             |   |
| Contact Kontakt             | Wire harness Kabelbaum                                | Armaturen                   |  |
|                             | Page Path Blatt Pfad                                  |                             |   |
| 1 ʌ                         | <b>19 2</b>   |                             |   |

|                             |   |                             |   |
|-----------------------------|---|-----------------------------|---|
| Plug Stecker                | -XS36.14  | Mounting location Einbauort | +SEAT   |
| Function text Funktionstext | Plug, switch S299 pin 14 Stecker Schalter S299 Pin 14 |                             |   |
| Plug type Steckertyp        | FASTON 6,3mm  |                             |   |
| Contact Kontakt             | Wire harness Kabelbaum                                | Armaturen                   |  |
|                             | Page Path Blatt Pfad                                  |                             |   |
| 1 ʌ                         | <b>26 5</b>   |                             |   |

|                             |   |                             |   |
|-----------------------------|---|-----------------------------|---|
| Plug Stecker                | -XS127.24   | Mounting location Einbauort | +ARC  |
| Function text Funktionstext | Plug, switch S127 pin 24 Stecker Schalter S127 Pin 24 |                             |   |
| Plug type Steckertyp        | FASTON 6,3mm  |                             |   |
| Contact Kontakt             | Wire harness Kabelbaum                                | Armaturen                   |  |
|                             | Page Path Blatt Pfad                                  |                             |   |
| 1 ʌ                         | <b>19 2</b>   |                             |   |

# Pin overview

## Pin Übersicht

BO\_F19\_001

| <b>A83</b>   |             | <b>Measurement controller<br/>Messtechnik Steuerung</b> |           |                          |                                   |                                 |  |  |
|--------------|-------------|---|-----------|--------------------------|-----------------------------------|---------------------------------|--|--|
| Plug Stecker | Pin Kontakt | Page Blatt  | Path Pfad | Description Beschreibung | Signal                            | Signal                          |  |  |
| X88          | 19          |   |           | DIN16 / 0..32V, DRZ      |                                   |                                 |  |  |
| X88          | 13          |   |           | DIN4 / 0..32V            |                                   |                                 |  |  |
| X88          | 36          |   |           | DIN5 / 0..32V            |                                   |                                 |  |  |
| X88          | 14          |   |           | DIN6 / 0..32V            |                                   |                                 |  |  |
| X88          | 37          |   |           | DIN7 / 0..32V            |                                   |                                 |  |  |
| X88          | 15          |   |           | DIN8 / 0..32V            |                                   |                                 |  |  |
| X88          | 38          |   |           | DIN9 / 0..32V            |                                   |                                 |  |  |
| X88          | 39          |   |           | DIN11 / 0..32V           |                                   |                                 |  |  |
| X88          | 17          |   |           | DIN12 / 0..32V           |                                   |                                 |  |  |
| X88          | 6           |   |           | AIN1 / 10V 25mA          |                                   |                                 |  |  |
| X88          | 7           | 36  | 3         | AIN3 / 10V 25mA          | Transducer Acceleration rear 20g  | Beschleunigungsaufn. hinten 20g |  |  |
| X88          | 8           |   |           | AIN5 / 10V 25mA          |                                   |                                 |  |  |
| X88          | 9           | 32  | 5         | AIN7 / 10V 25mA          | Sensor, adjustable motor          | Sensor Verstellmotor            |  |  |
| X88          | 29          | 36  | 2         | AIN2 / 10V 25mA          | Transducer Acceleration front 15g | Beschleunigungsaufn. vorne 15g  |  |  |
| X88          | 30          | 36  | 4         | AIN4 / 10V 25mA          | Transducer Acceleration rear 15g  | Beschleunigungsaufn. hinten 15g |  |  |
| X88          | 31          | 36  | 1         | AIN6 / 10V 25mA          | Transducer Acceleration front 20g | Beschleunigungsaufn. vorne 20g  |  |  |
| X88          | 32          | 32  | 2         | AIN8 / 10V 25mA          | switch amplitude adjustment       | Schalter Amplitudenverstellung  |  |  |

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