

Circuit diagram

valid from serial-No. :

H1760001

H1800001

3412 - 3520

TIER-3

- Fehlende Ersatzteilnummern siehe Ersatzteilkatalog

- missing spare parts numbers see spare parts list

Revision	Modification	valid from serial-No.
01	Circuit diagram useable for 3412-3520 Spare parts list added Special equipment Sprinkling added Version Lighting ROPS added	H1760001 H1800001
02	Relay (K100) Fan motor added , Page 10, 18, 42 Instrument panel new , Page 13, 21 Connection Control device Charge pump Fuel changed , Page 29, 48 Connection Blade changed , Page 32	SAP - Modification 13970 SAP - Modification 12794 H1760001, H1800001 H1760001, H1800001
03	S14: Push button switch/ Parking brake NC-Contact Page 18 added	H1762186, H1802969
04	Fuse F17 corrected, Page 35	H1760001, H1800001

Vervielfältigung oder Weitergabe nur mit unserer schriftlichen Genehmigung gestattet
Schutzvermerk nach DIN 34 beachten

	Änderung	Datum	Name		Datum	Name
a				gez.	08.10.2003	Landstorfer
b	03	24.09.2013	Lan.			
c	04	01.10.2018	Lan.	gepr.	09.07.2012	Schuller
d						



Revision management

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
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Plotdatum: 01.10.2018

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9	Fuse occupancy Central electric
10	High current PCB Central electric
11	Relay Central electric
12	Fuse box Cab console
13	Display Plug occupancy
14	Control device Diesel engine EMR-3
15	Control device Diesel engine EMR-3
16	Control device Diesel engine EMR-3 Electric plug

	Änderung	Datum	Name		Datum	Name
a	03	24.09.2013	Lan.	gez.	14.05.2008	Landstorfer
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27	Pressure switch , Temperature sensor Engine room ; Signal transmitter Socket Supply system
28	Speed adjustment Diesel engine Sensor Fuel prefilter
29	Level transmitter Fuel tank Refuel pump Fuel preheating
30	Jumper km/h - mph Sensor Speed Sensor Vibration frequency
31	Proximity switch Drive lever

Änderung	Datum	Name		Datum	Name
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32	Back-up alarm Schubschild
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34	Lighting STVZO
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36	Working spotlights Windshield washer Rotating-beam light
37	Cab lighting Windshield wiper
38	Radio assembly Instrumentation lighting Cabin
39	Tachograph
40	Compactometer HCM Acceleration sensor
41	CDS Display
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43	Special equipment Sprinkling
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45	Reserve Central electric
46	Reserve

Änderung	Datum	Name		Datum	Name
a			gez.	14.05.2008	Landstorfer
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	Änderung	Datum	Name		Datum	Name
a				gez.	14.05.2008	Landstorfer
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100	Version Lighting ROPS
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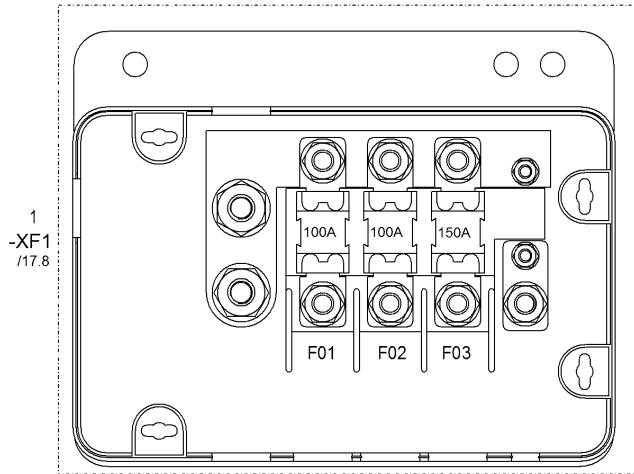
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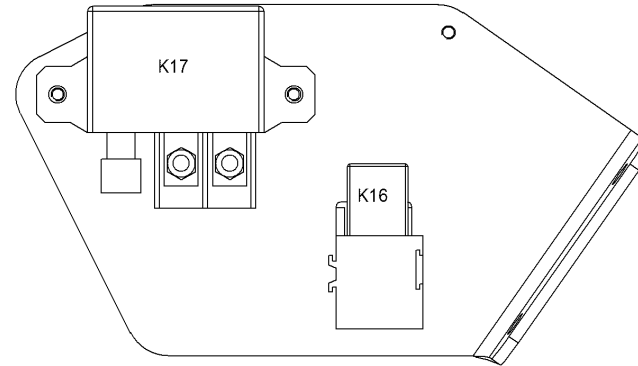
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XF1: Fuse box Engine room

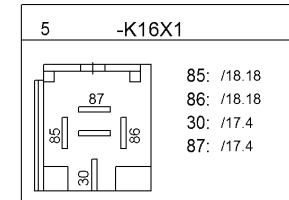


Retainer sheet Engine room

K17: Relay Cold start equipment



Pos.:	Fuse	Page	Function
2	-F01  100A	/17.10	F01 - 100A: Supply system Terminal 30, Starting relay
3	-F02  100A	/17.13	F02 - 100A: Alternator B+
4	-F03  150A	/17.15	F03 - 150A: Cold start equipment
	-F04 		F04 - Reserve



Header Starting relay
(Engine room)

	Änderung	Datum	Name		Datum	Name
a	03	24.09.2013	Lan.	gez.	08.10.2003	Landstorfer
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Fuse box / Starting relay
Engine room

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Pos.:	Fuse	Page	Function
	-F1 	/45.3	F1 - Reserve
	-F2 	/45.5	F2 - Reserve
7	-F3  5A	/27.15	F3 - 5A: Sensors : Sensor Coolant level
8	-F4  5A	/30.14	F4 - 5A: Sensors : Vibration frequency , Speed Rear axle
9	-F5  5A	/29.5	F5 - 5A: Level transmitter, fuel / Control circuit Refuel pump
10	-F6  7.5A	/31.3	F6 - 7,5A: Multifunction handle , Blade Proximity switch Brake / Vibro automatic / Back-up alarm
11	-F7  7.5A	/19.3	F7 - 7,5A: Emergency control , Control device Diesel engine Terminal 15
12	-F8  7.5A	/34.16	F8 - 7,5A: Driving light right
13	-F9  7.5A	/34.4	F9 - 7,5A: Driving light left
14	-F10  5A	/34.19	F10 - 5A: Parking light right
15	-F11  5A	/34.8	F11 - 5A: Parking light left
16	-F12  10A	/35.3	F12 - 10A: Signal transmitter
17	-F13  10A	/33.5	F13 - 10A: Alarm system switch Terminal 15
18	-F14  25A	/29.14	F14 - 25A: Refuel pump
19	-F15  7.5A	/32.4	F15 - 7,5A: Back-up alarm
20	-F16  30A	/29.22	F16 - 30A: Fuel preheating
21	-F17  7.5A	/35.10	F17 - 7,5A: Vibration control

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Fuse occupancy
Central electric

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Pos.:	Fuse	Page	Function
23	-F18  7.5A	/40.3	F18 - 7,5A: Compactometer HCM
	-F19 	/44.13	F19 - Reserve
24	-F20  5A	/17.17	F20 - 5A: Terminal D+ Alternator
25	-F21  7.5A	/30.6	F21 - 7,5A: Display Terminal 15 , Rotary switch km/h - mp/h
	-F22 	/45.7	F22 - Reserve
26	-F23  10A	/27.2	F23 - 10A: Socket Supply system
27	-F24  10A	/35.6	F24 - 10A: Gear shifting Rocker switch Vibro automatic / Driving speed / Traction control
28	-F25  7.5A	/21.8	F25 - 7,5A: Potentiometer Engine speed
	-F26 	/44.10	F26 - Reserve
29	-F27  15A	/42.2	F27 - 15A: Cabin-heating , Air conditioning
	-F28 	/44.3	F28 - Reserve
30	-F29  30A	/36.2	F29 - 30A: Cabin Terminal 15
31	-F30  10A	/18.6	F30 - 10A: Ignition switch Terminal 30
32	-F31  25A	/20.3	F31 - 25A: Control device Diesel engine Terminal 30
33	-F32  15A	/33.20	F32 - 15A: Steering column switch Terminal 30
34	-F33  10A	/33.7	F33 - 10A: Alarm system switch Terminal 30
35	-F34  30A	/37.3	F34 - 30A: Cabin Terminal 30

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Fuse occupancy
Central electric

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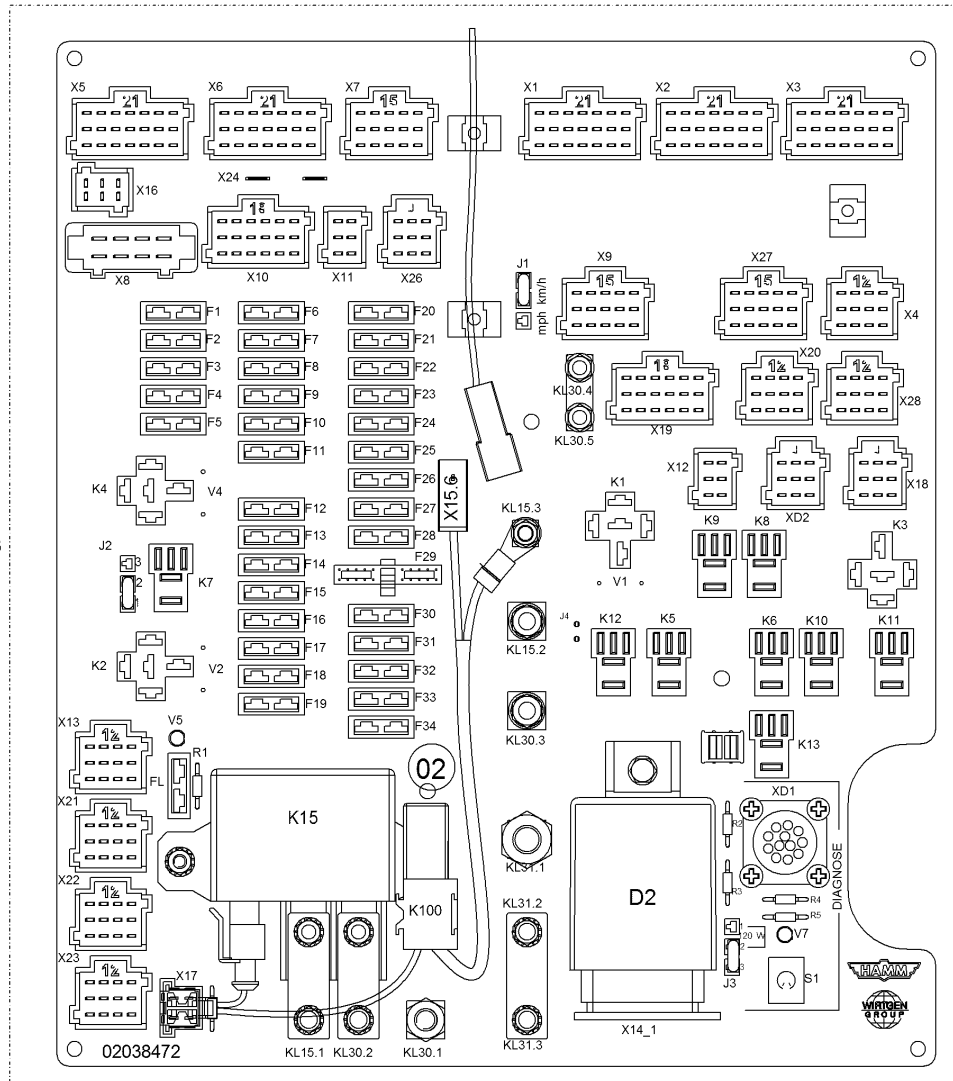
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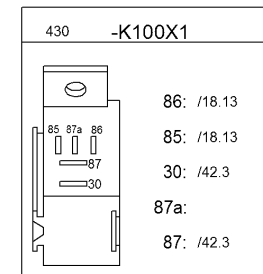
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02



K100: Relay Fan motor

A3: Central electric

K15: high current relay
Supply system

Änderung	Datum	Name		Datum	Name
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High current PCB
Central electric

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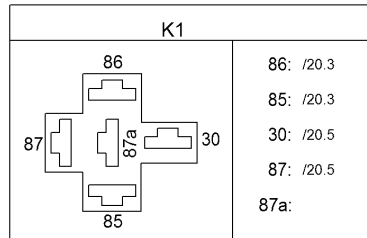
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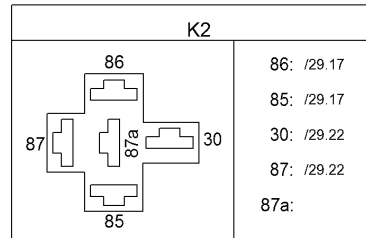
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General arrangement Relay Central electric

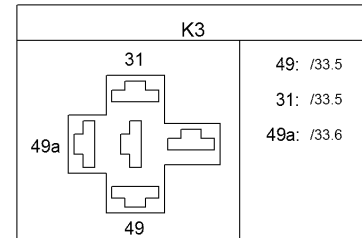
K1: Diesel engine
Control device



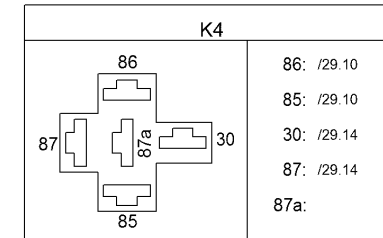
K2: Fuel preheating



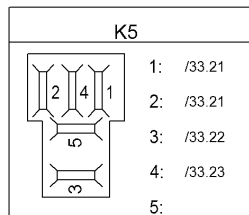
K3: Flasher relay



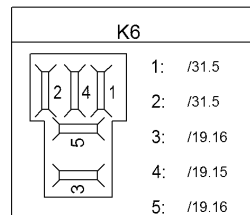
K4: Charge pump
Fuel tank



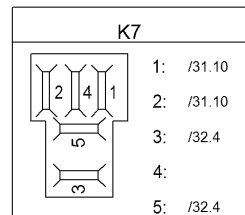
K5: Driving light



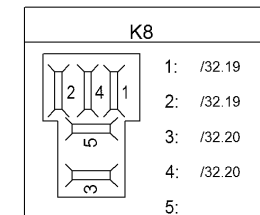
K6: Parking brake



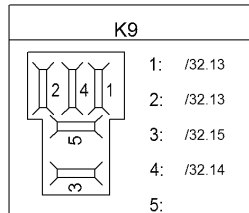
K7: Back-up alarm



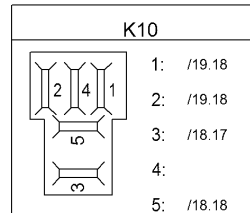
K8: Blade



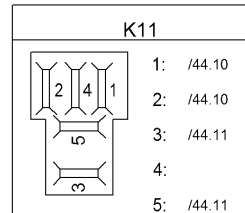
K9: Blade



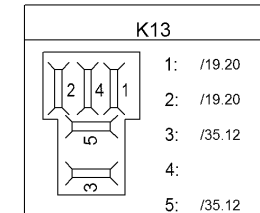
K10: Starting release



K11: Pilot light
Preheat



K13: Vibration



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Relay Central electric

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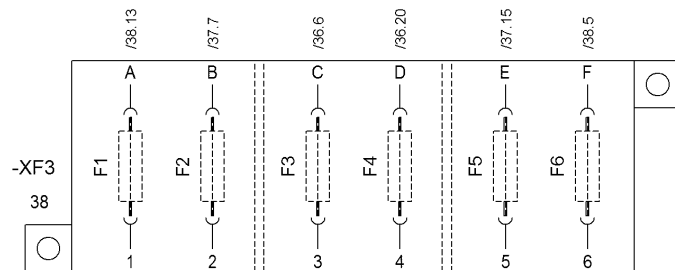
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Fuse box Cab console



3F1 - 10A: Instrumentation lighting Console , Terminal 58 Radio
Terminal 58 Speedometer

3F2 - 10A: Terminal 30 Cab lighting , Terminal 30 Speedometer

3F3 - 25A: Working spotlights

3F4 - 15A: Windshield washer , Rotating-beam light

3F5 - 15A: Windshield wiper

3F6 - 10A: Terminal 30 Radio

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**Fuse box
Cab console**

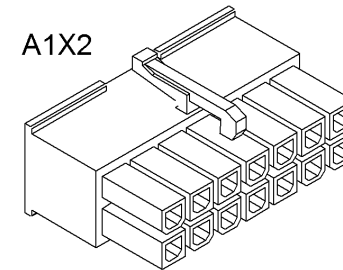
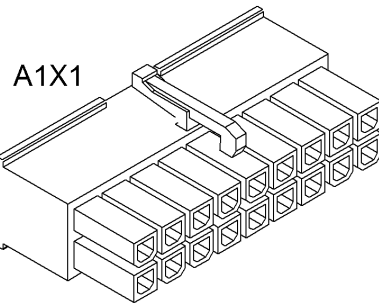
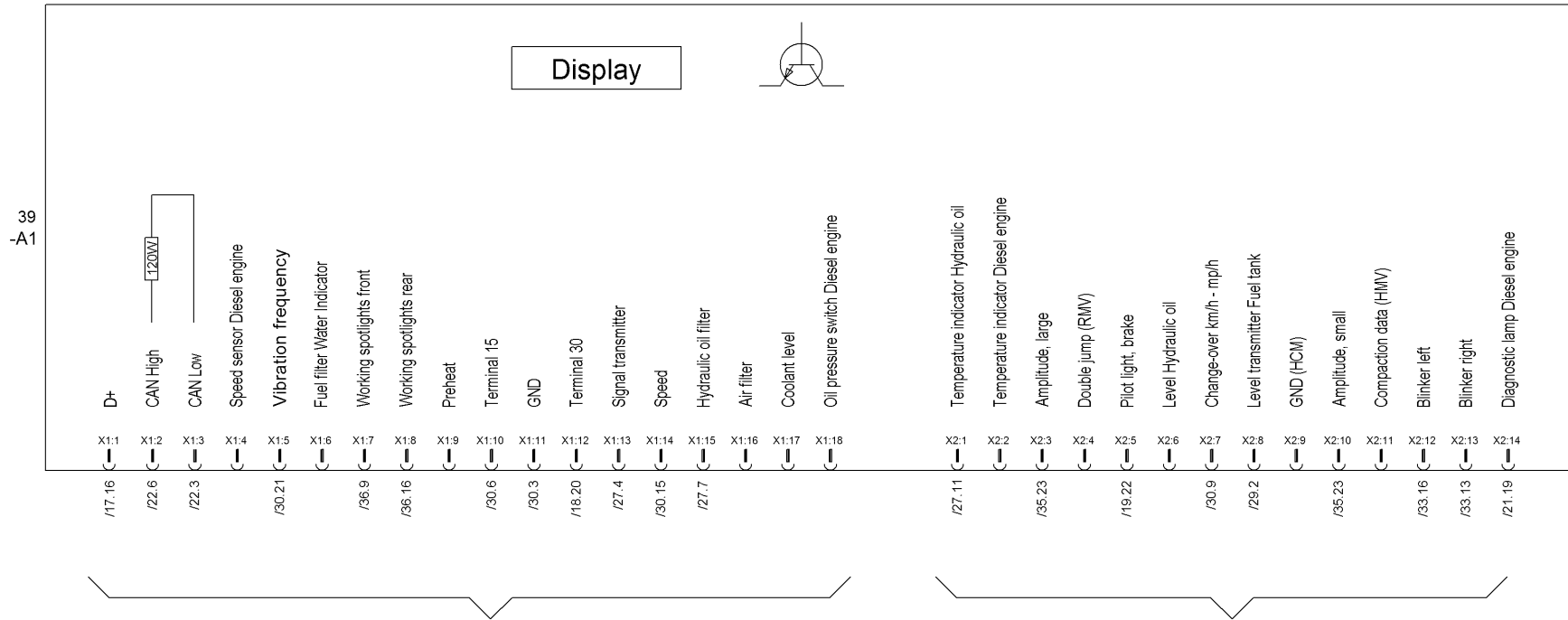
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A1: Display Instrument panel

02



	Änderung	Datum	Name		Datum	Name
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c	04	01.10.2018	Lan.	gepr.	09.07.2012	Schuller
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Display Plug occupancy

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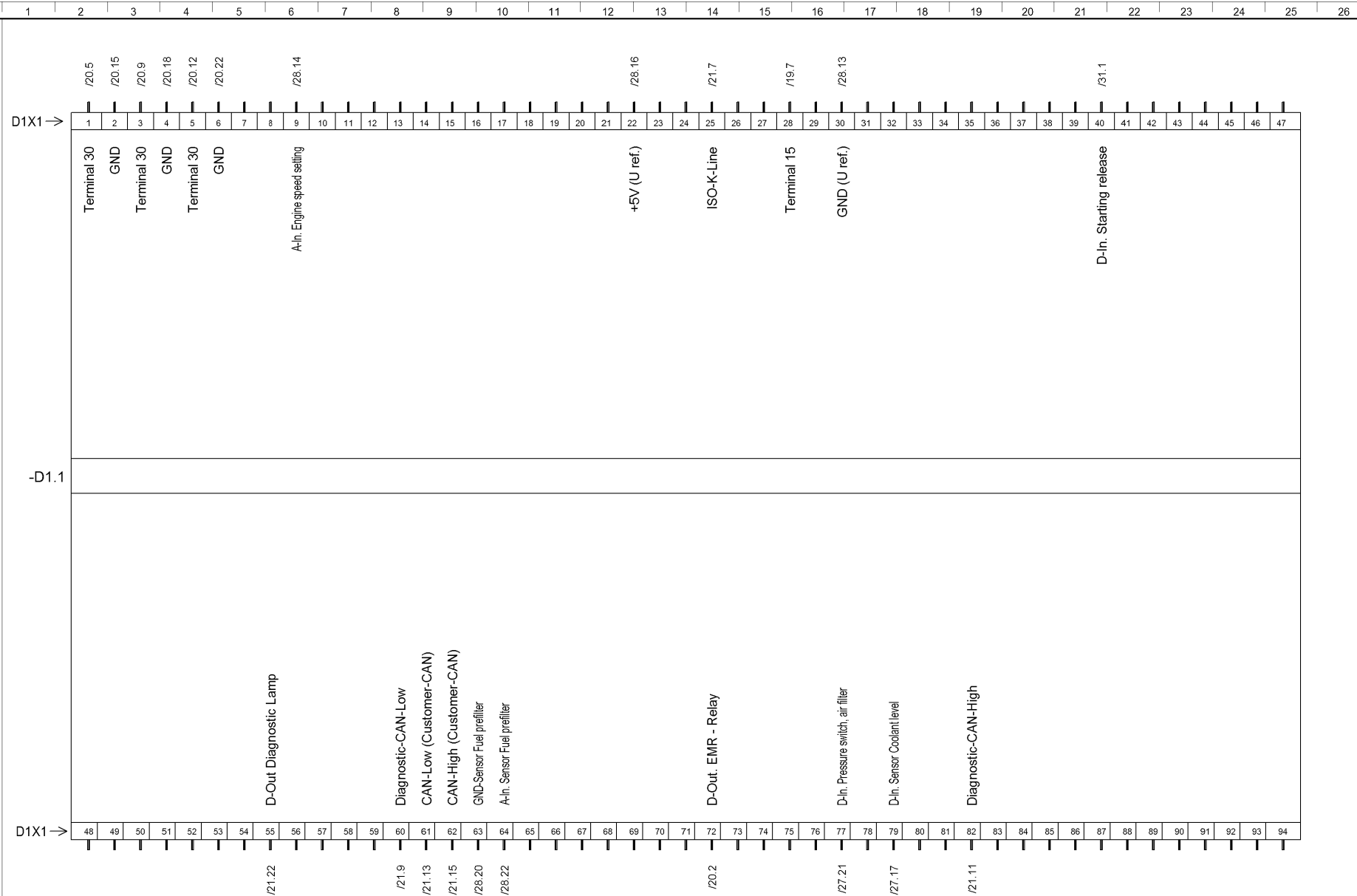
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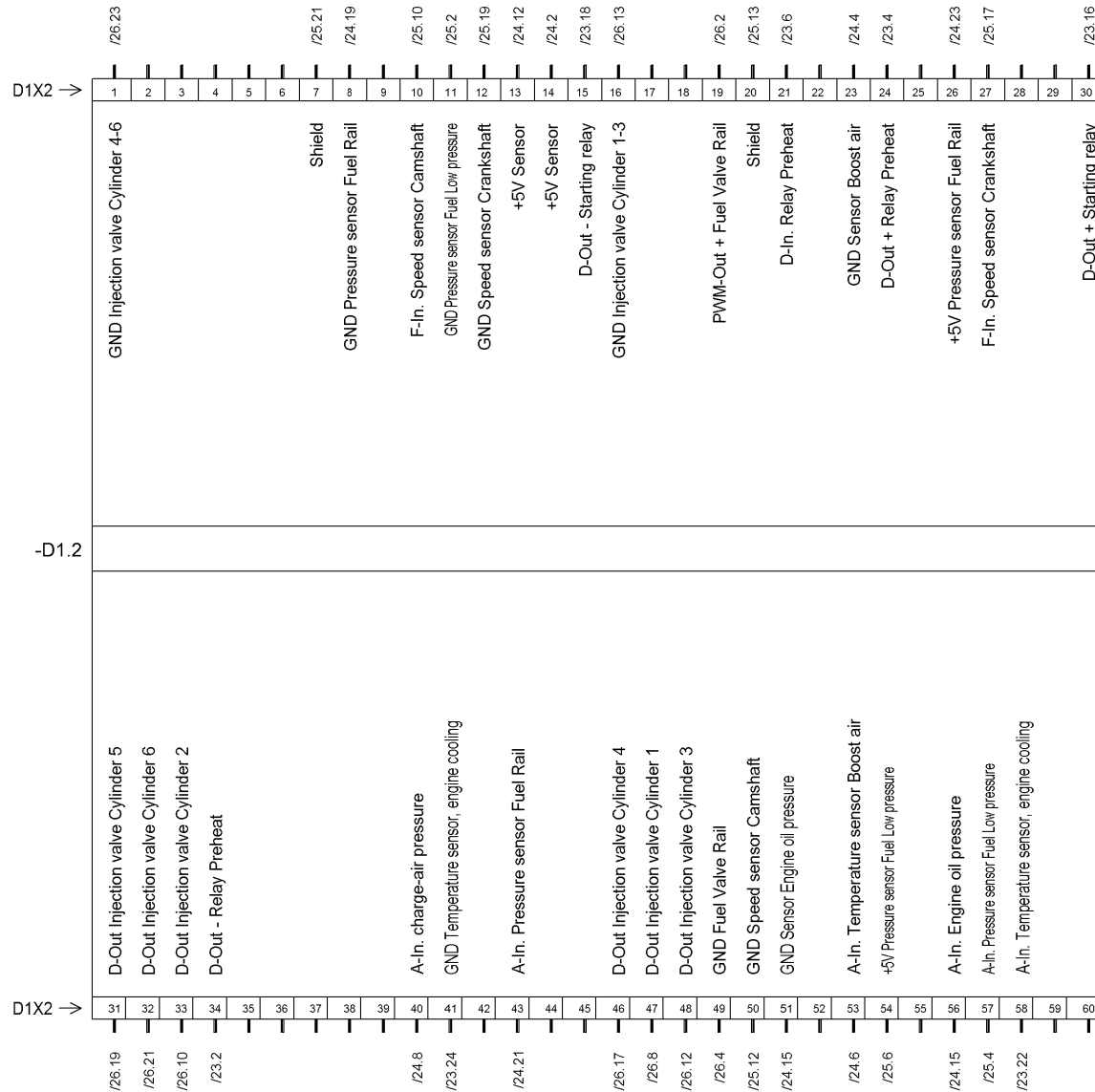
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c				gepr.	09.07.2012	Schuller
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Control device Diesel engine
EMR-3

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**Control device Diesel engine
EMR-3**

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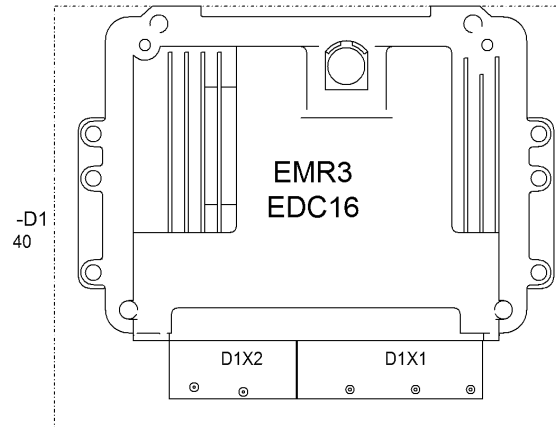
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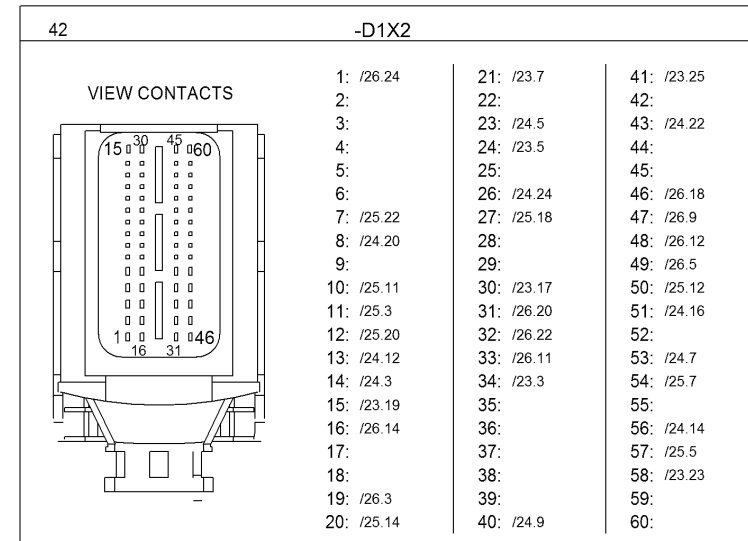
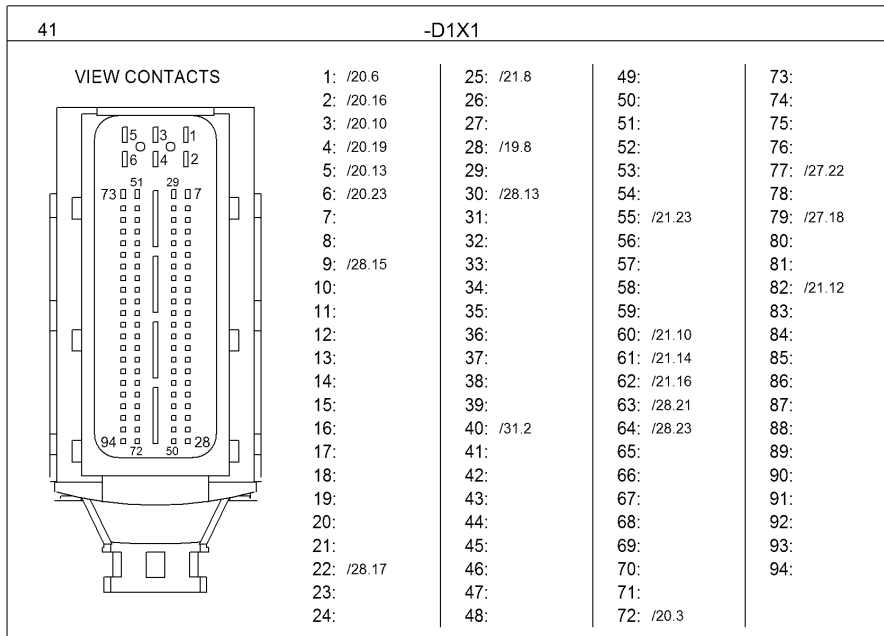
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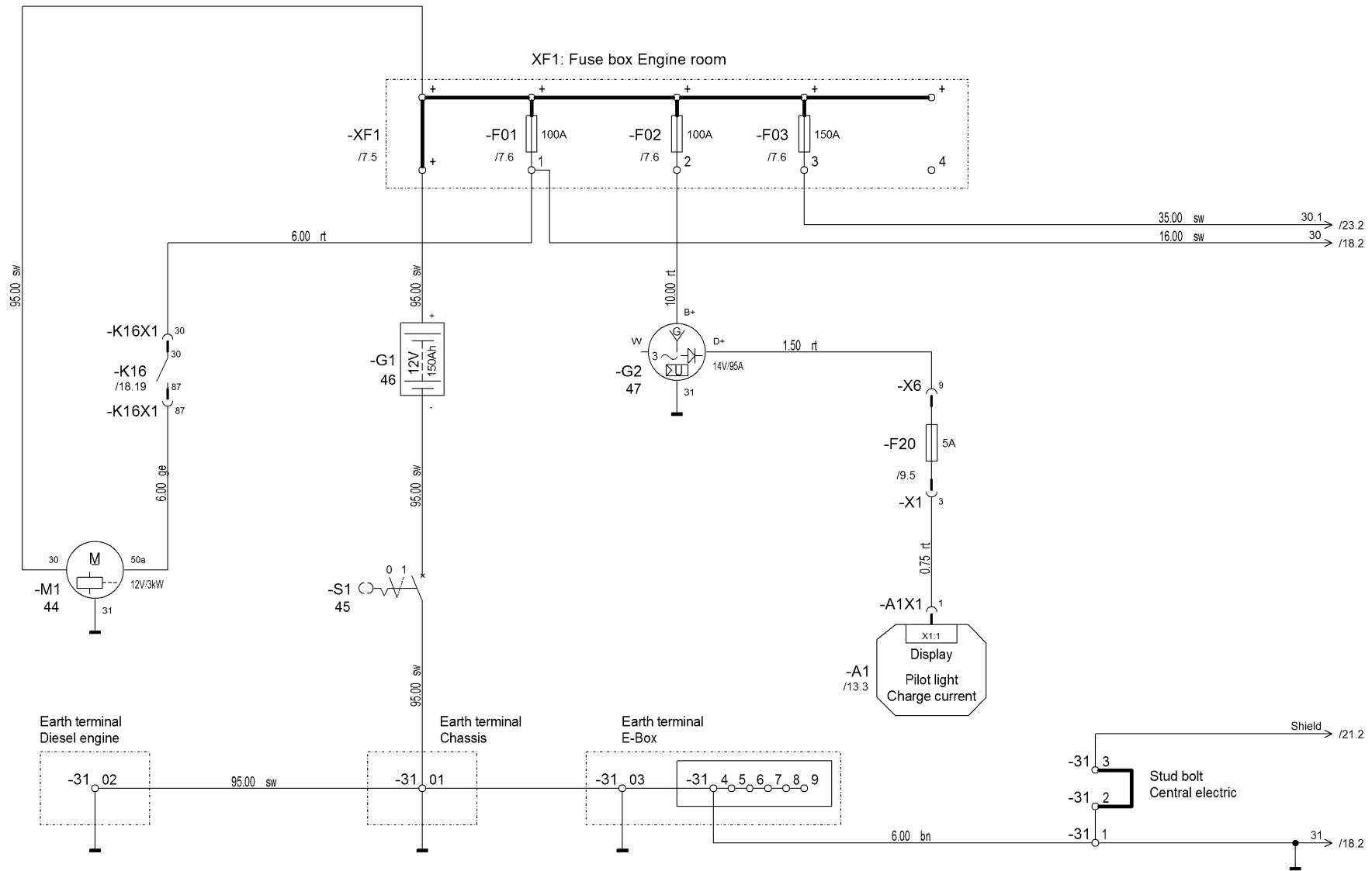


Control device Diesel engine
EMR-3
Electric plug

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M1: Starting motor
K16: Starting relay

G1: Battery
S1: Battery isolating switch

G2: Alternator
A1: Display

Änderung	Datum	Name	Datum	Name
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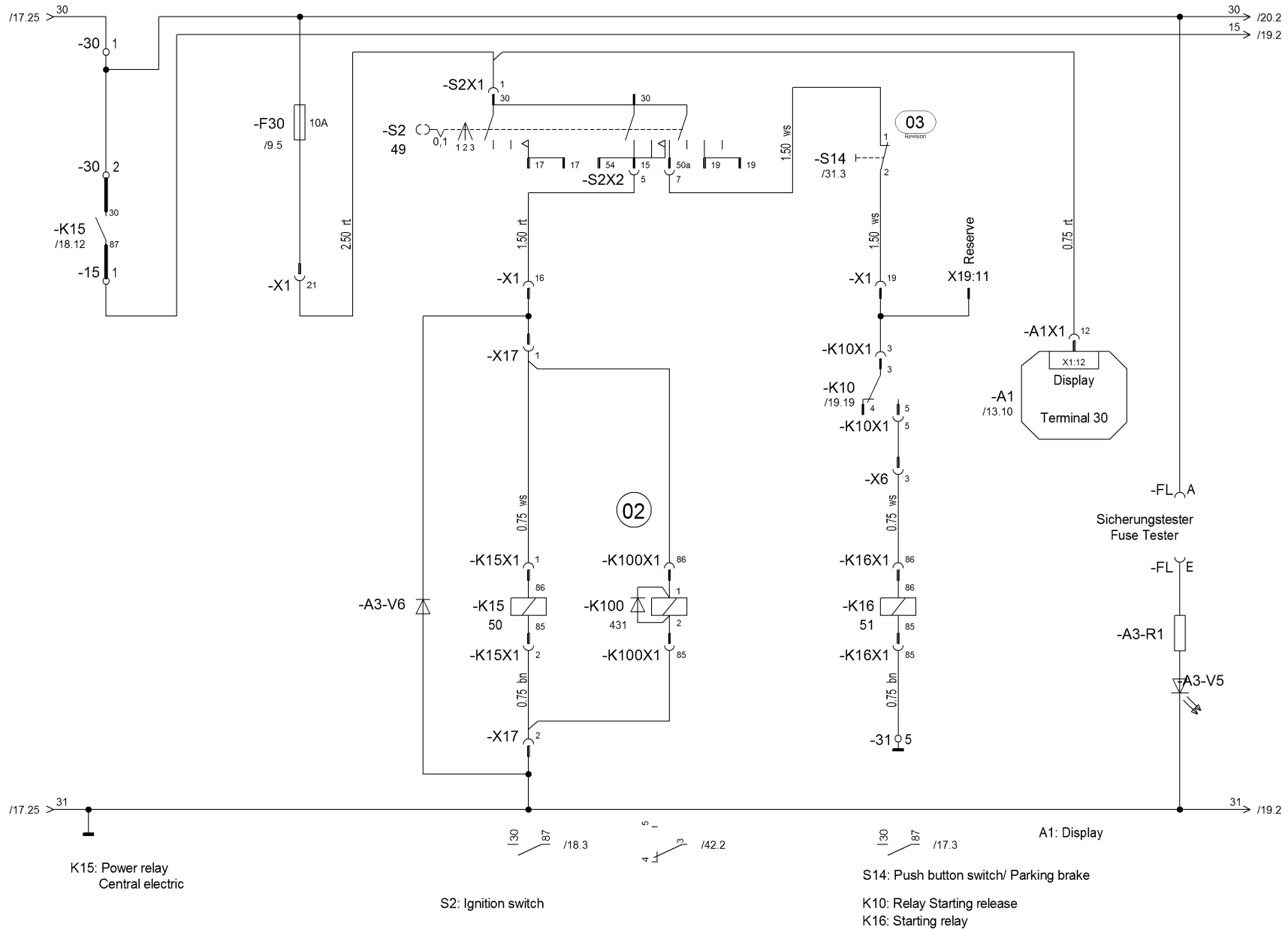
Power supply Supply system

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Circuit diagram 3412-3520, TIER3
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Plotdatum: 01.10.2018

Vervielfältigung oder Weitergabe nur nach
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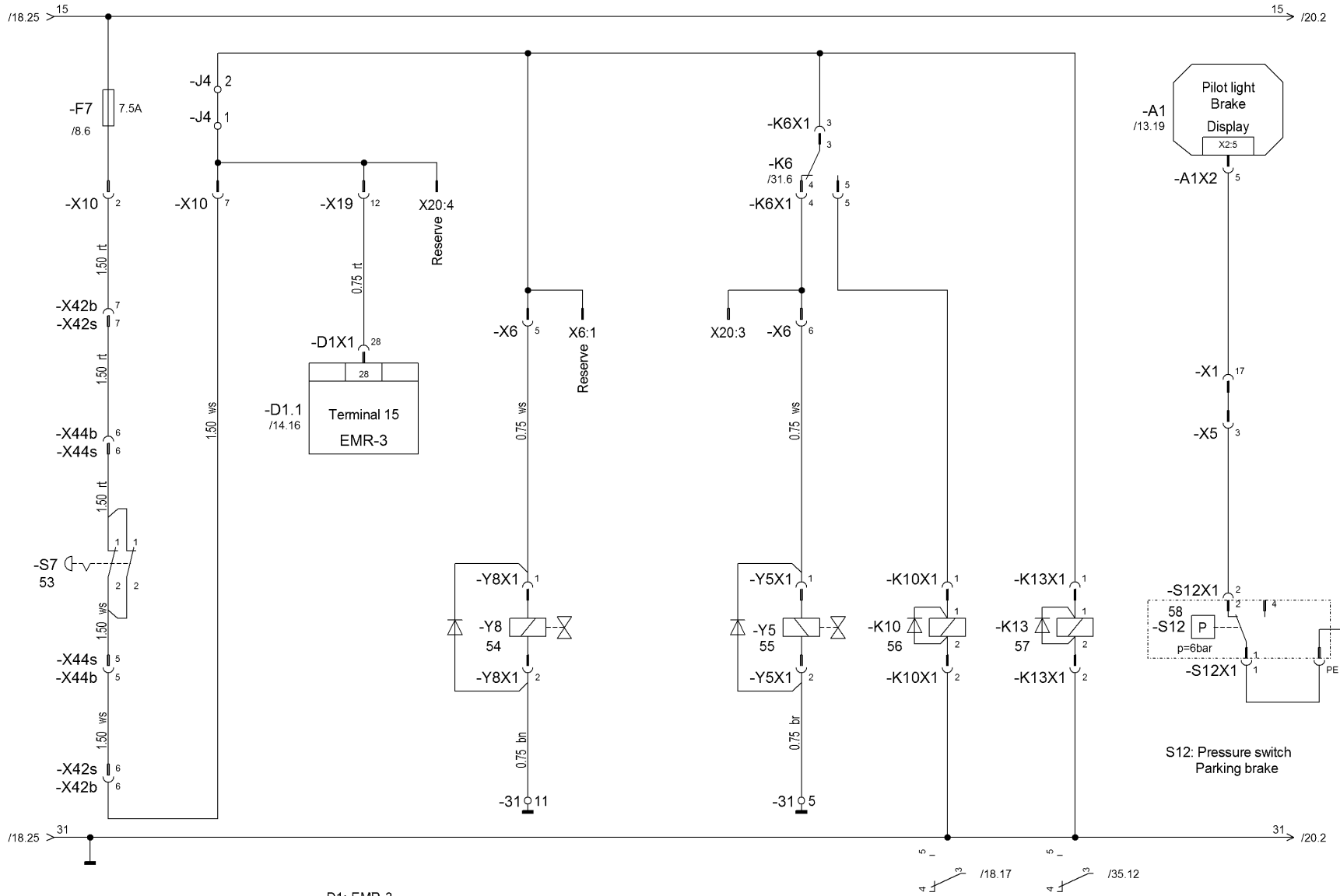
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Power supply Supply system
Ignition switch

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S7: Emergency stop switch

Y8: Magnet, drive pump

K6: Relay Parking brake
Y5: Brake valve

K10: Relay Starting release
K13: Relay Vibration

	Änderung	Datum	Name		Datum	Name
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**Emergency control
Parking brake**

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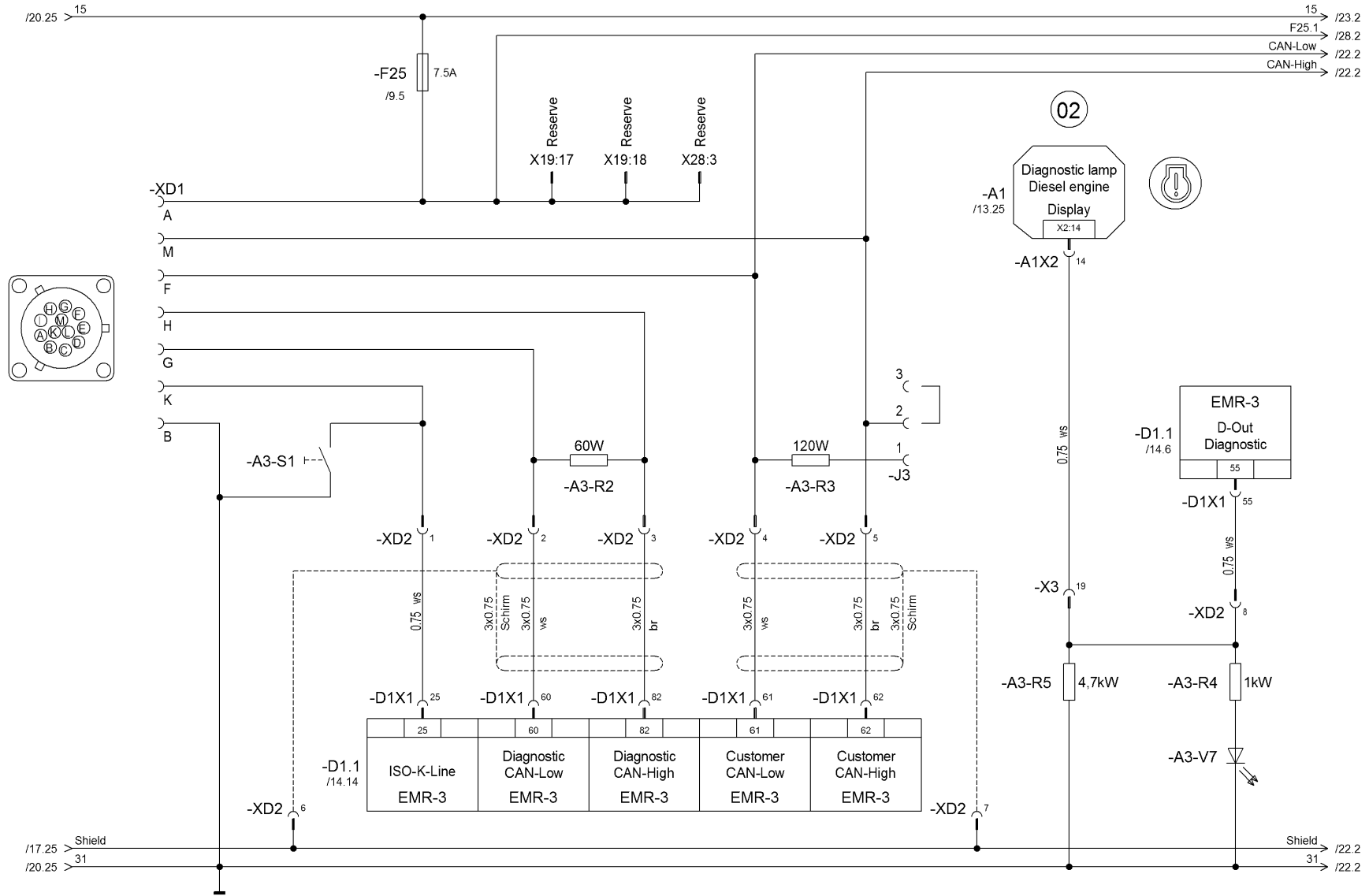
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XD1: Diagnostic connector

D1: EMR-3
S1: Diagnostic push button switch

V7: Diagnostic lamp
Central electric

Änderung	Datum	Name	Datum	Name
a	02	14.05.08	17.05.2006	Landstorfer
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d				



Diagnose
Diesel engine

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04

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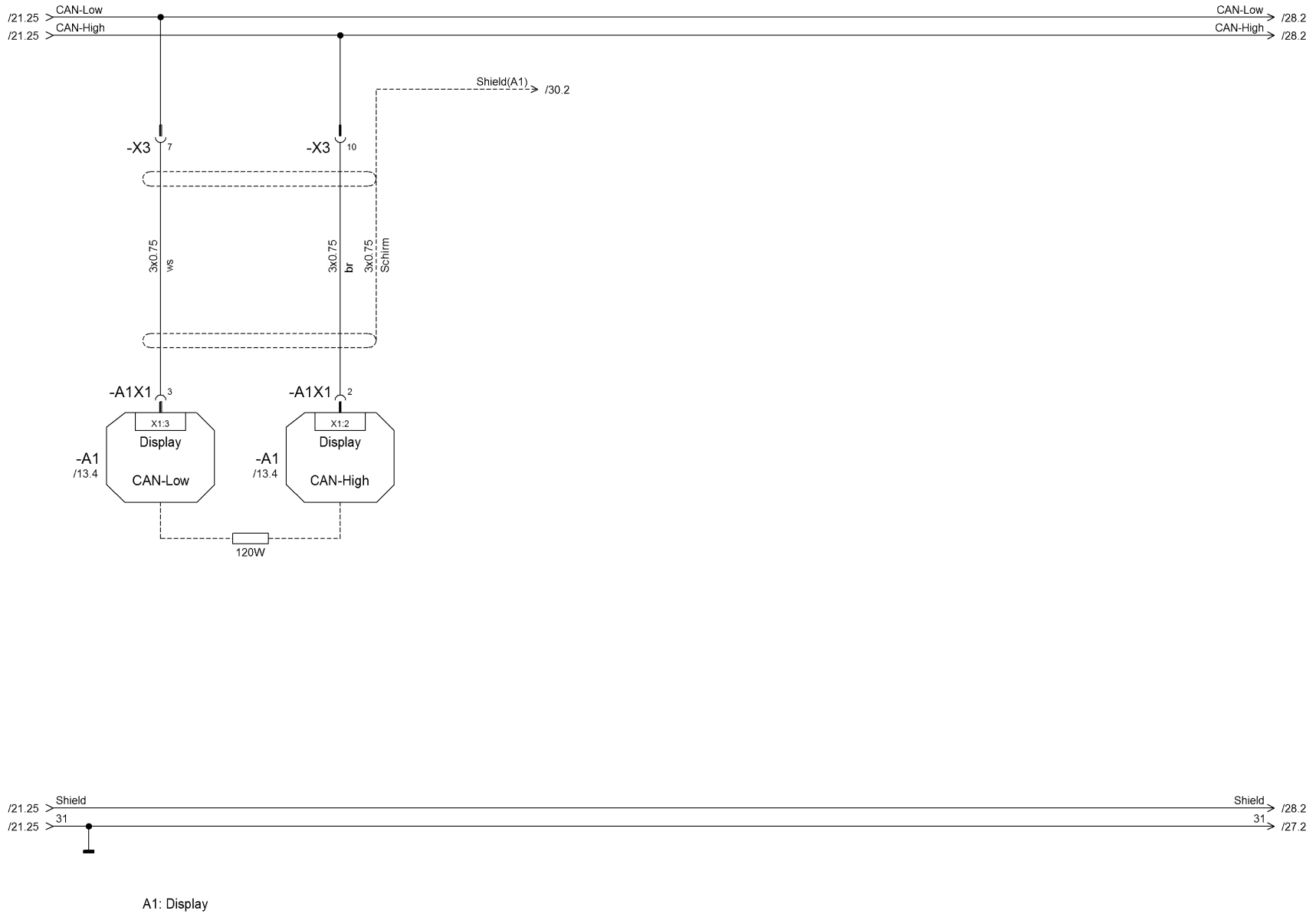
21

68

Bl.

Plotdatum: 01.10.2018

Vervielfältigung oder Weitergabe nur nach schriftlichem Schutzvermerk nach DIN 34 beachten



	Änderung	Datum	Name		Datum	Name
a				gez.	21.06.2006	Landstorfer
b	03	24.09.2013	Lan.			
c	04	01.10.2018	Lan.	gepr.	09.07.2012	Schuller
d						



CAN-Bus Instrument panel

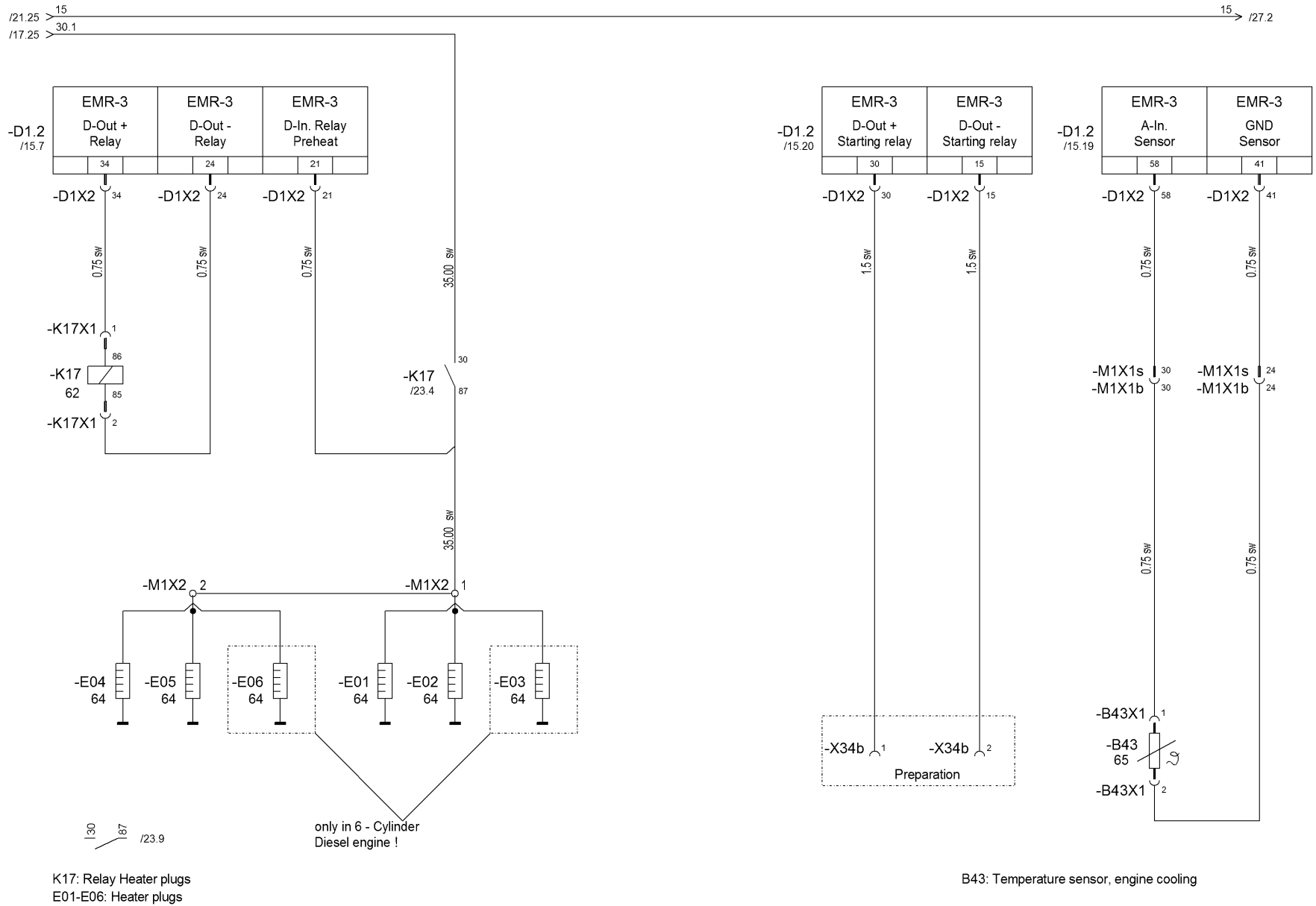
Projektbez. Circuit diagram 3412-3520, TIER3		
Zeichnungsnummer 02069545	Rev. 04	

Blatt

22

68

31.



Änderung	Datum	Name	Datum	Name
a	03	24.09.2013	gez.	17.05.2006 Landstorfer
b	04	01.10.2018	gepr.	09.07.2012 Schuller
c				
d				

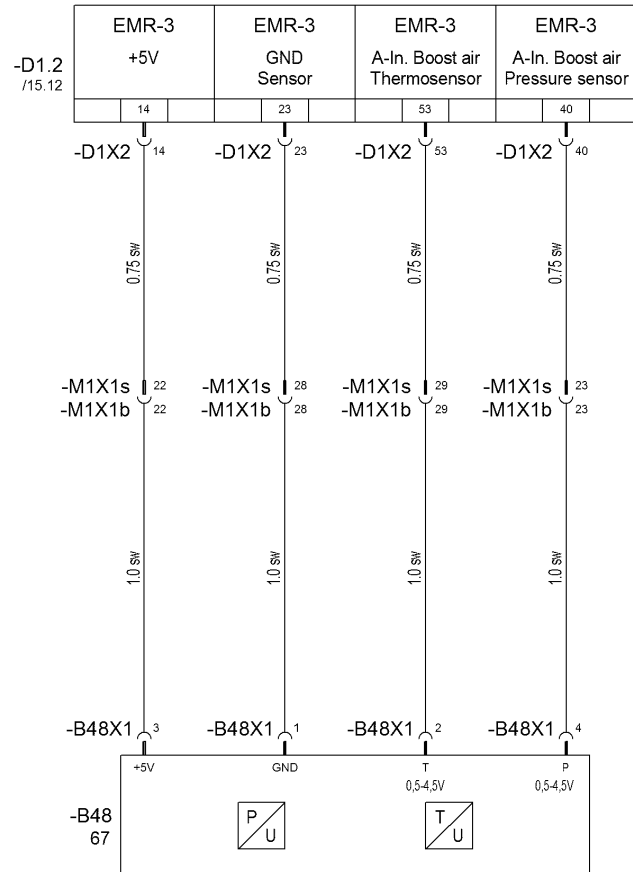


Diesel engine 1
Cold start equipment
Common-Rail

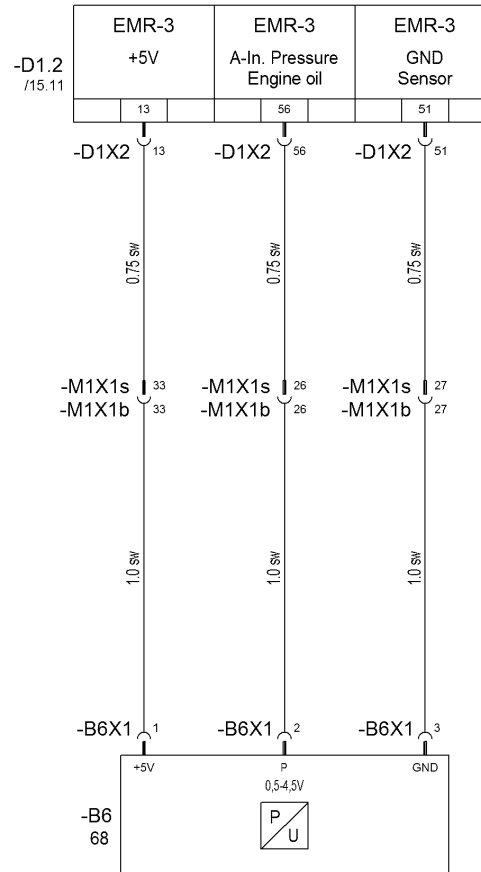
Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545
Rev.
04

Blatt
23
68 Bl.

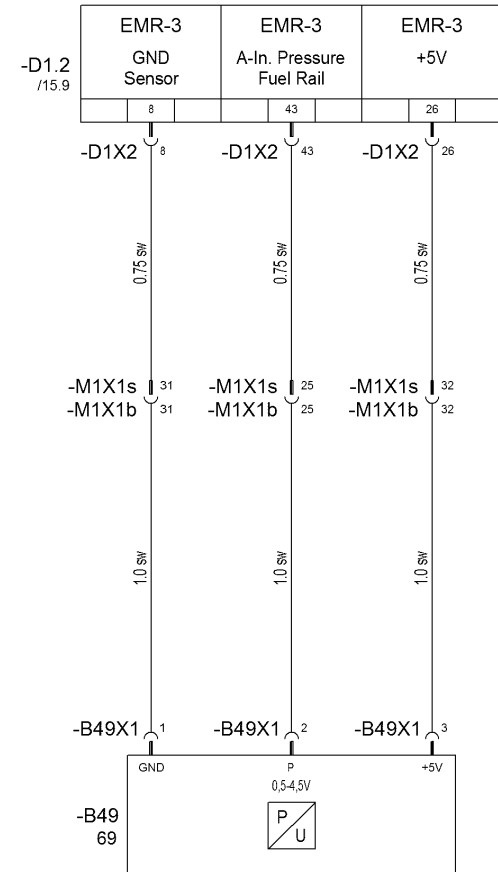
Plotdatum: 01.10.2018



B48: Sensor charge-air pressure /
Boost air Thermosensor



B6: Sensor Engine oil pressure



B49: Pressure sensor Fuel Rail

Änderung	Datum	Name	Datum	Name
a	03	24.09.2013	gez.	18.05.2006 Landstorfer
b	04	01.10.2018	gepr.	09.07.2012 Schuller
c				
d				



**Diesel engine 2
Common-Rail**

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545

Rev.
04

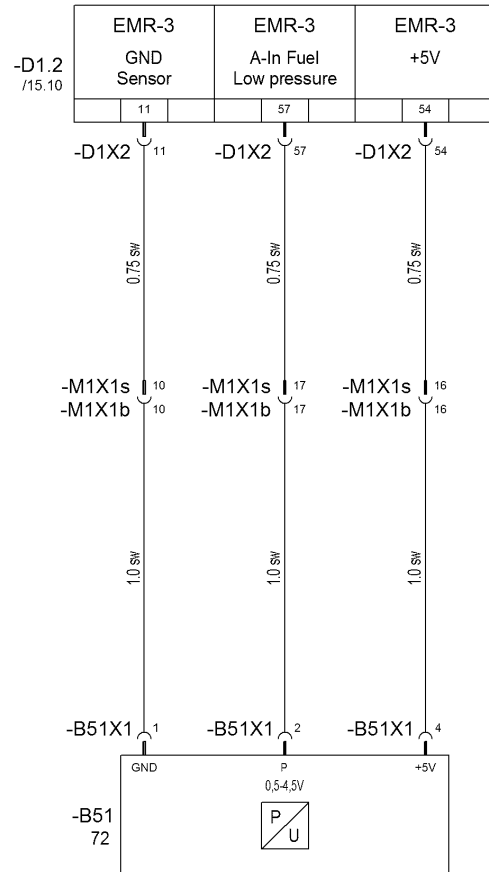
Blatt

24

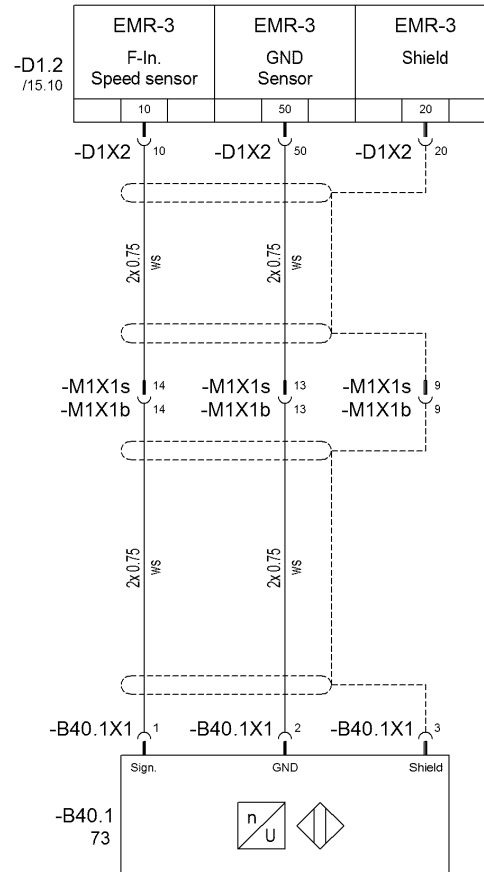
68

Bl.

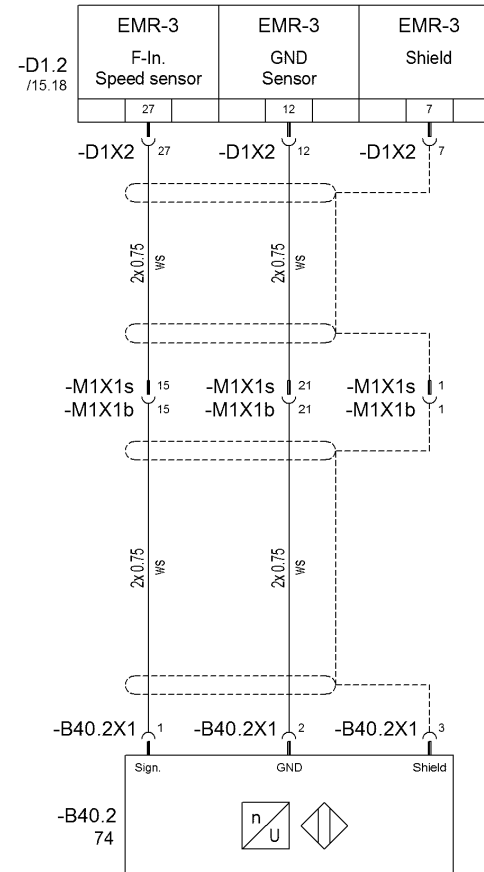
Plotdatum: 01.10.2018



B51: Pressure sensor Fuel Low pressure



B40.1: Speed sensor Camshaft



B40.2: Speed sensor Crankshaft

	Änderung	Datum	Name		Datum	Name
a	03	24.09.2013	Lan.	gez.	18.05.2006	Landstorfer
b	04	01.10.2018	Lan.	gepr.	09.07.2012	Schuller
c						
d						



**Diesel engine 3
Common Rail**

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545

Rev.
04

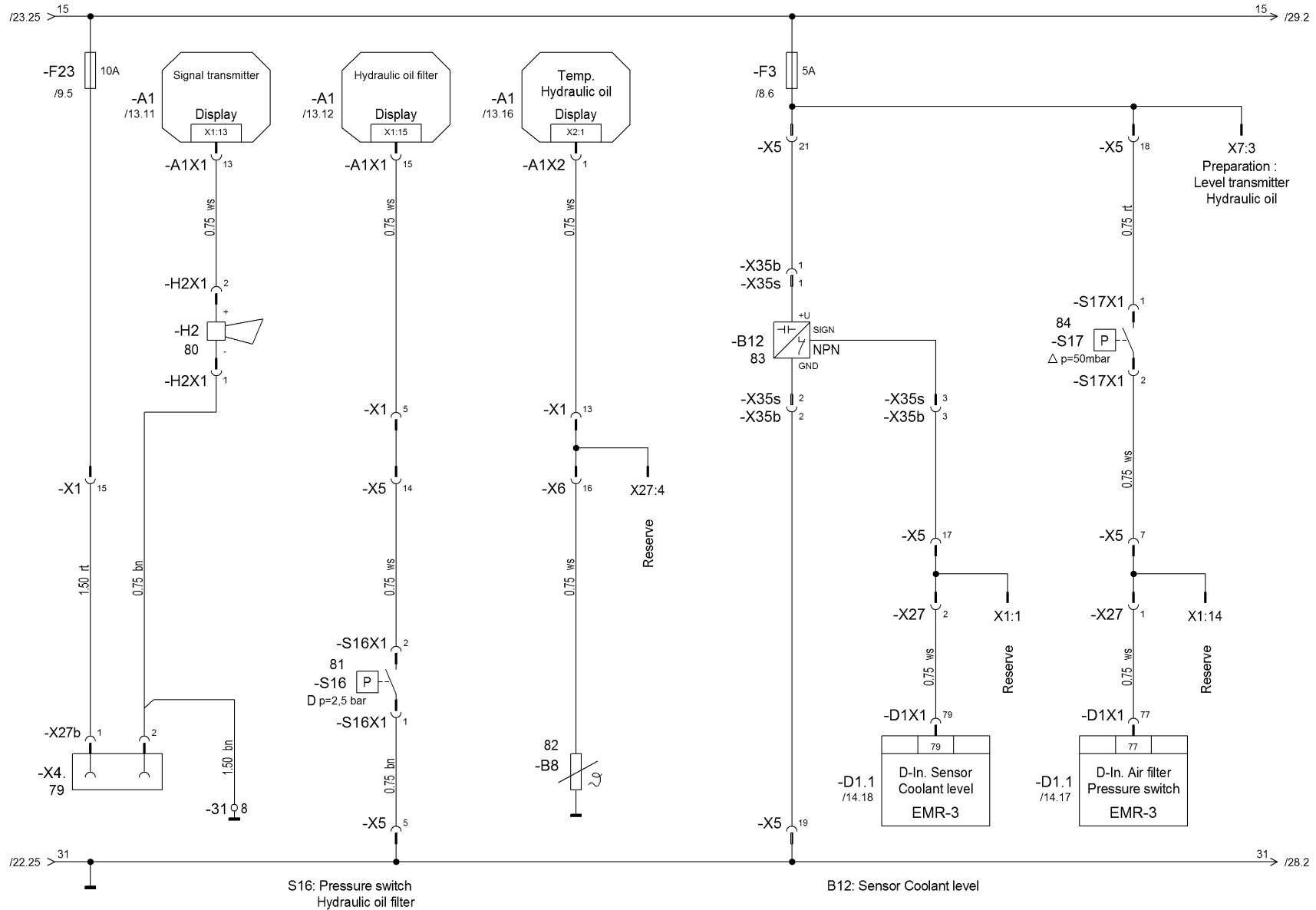
Blatt

25

68

Bl.

Plotdatum: 01.10.2018



X4: Socket Supply system
H2: Signal transmitter

S16: Pressure switch
Hydraulic oil filter

B8: Temperature sensor, hydraulic oil

B12: Sensor Coolant level

S17: Pressure switch Air filter

Änderung	Datum	Name	Datum	Name
a	03	24.09.2013	gez.	31.10.2003 Landstorfer
b	04	01.10.2018	gepr.	09.07.2012 Schuller
c				
d				



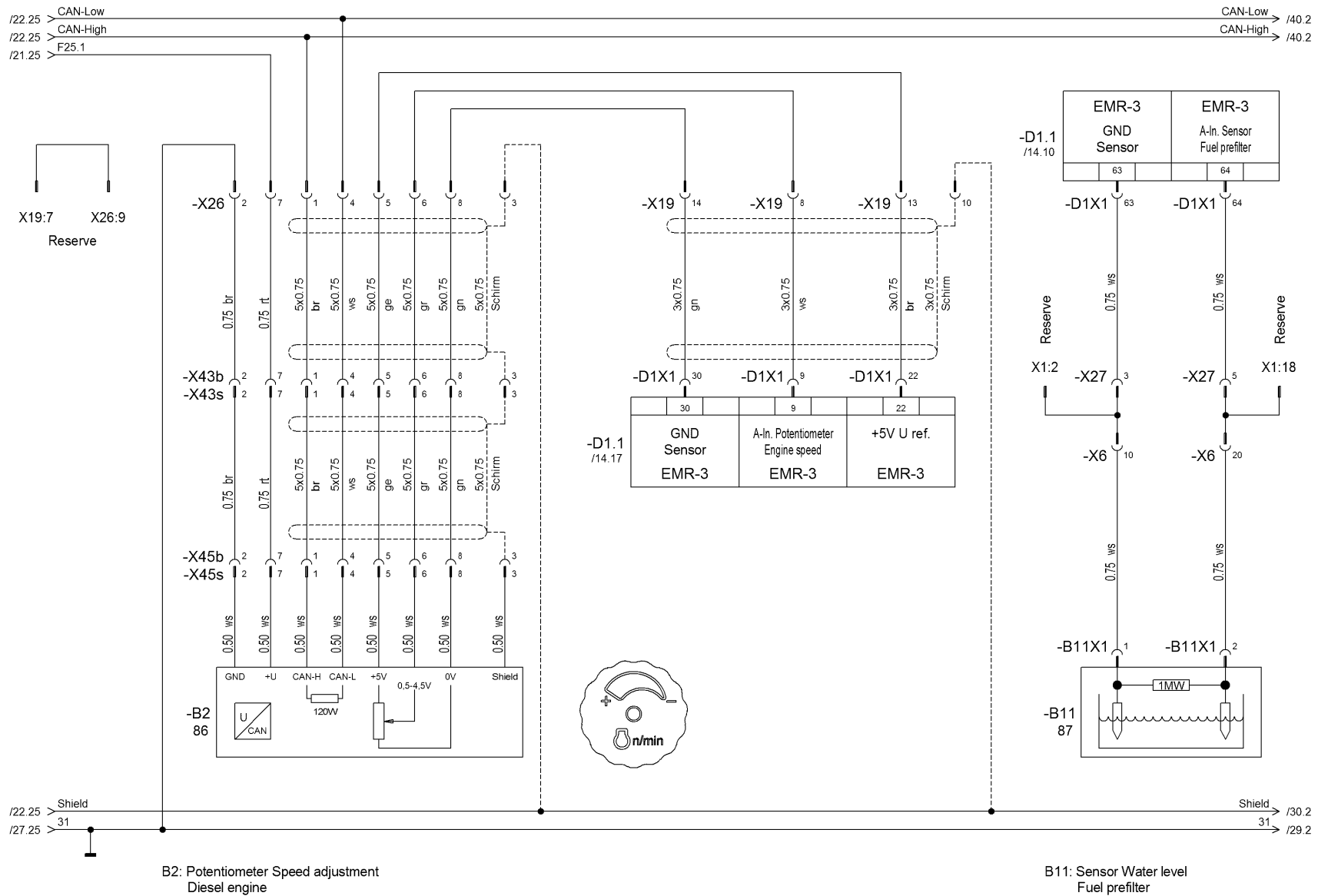
**Pressure switch , Temperature sensor
Engine room ; Signal transmitter
Socket Supply system**

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545
Rev.
04

Blatt
27
68 Bl.

Plotdatum: 01.10.2018

Vervielfältigung oder Weitergabe nur nach schriftlichem
Schutzvermerk nach DIN 34 beachten



	Änderung	Datum	Name		Datum	Name
a				gez.	30.05.2006	Landstorfer
b	03	24.09.2013	Lan.			
c	04	01.10.2018	Lan.	gepr.	09.07.2012	Schuller
d						



Speed adjustment Diesel engine
Sensor Fuel prefilter

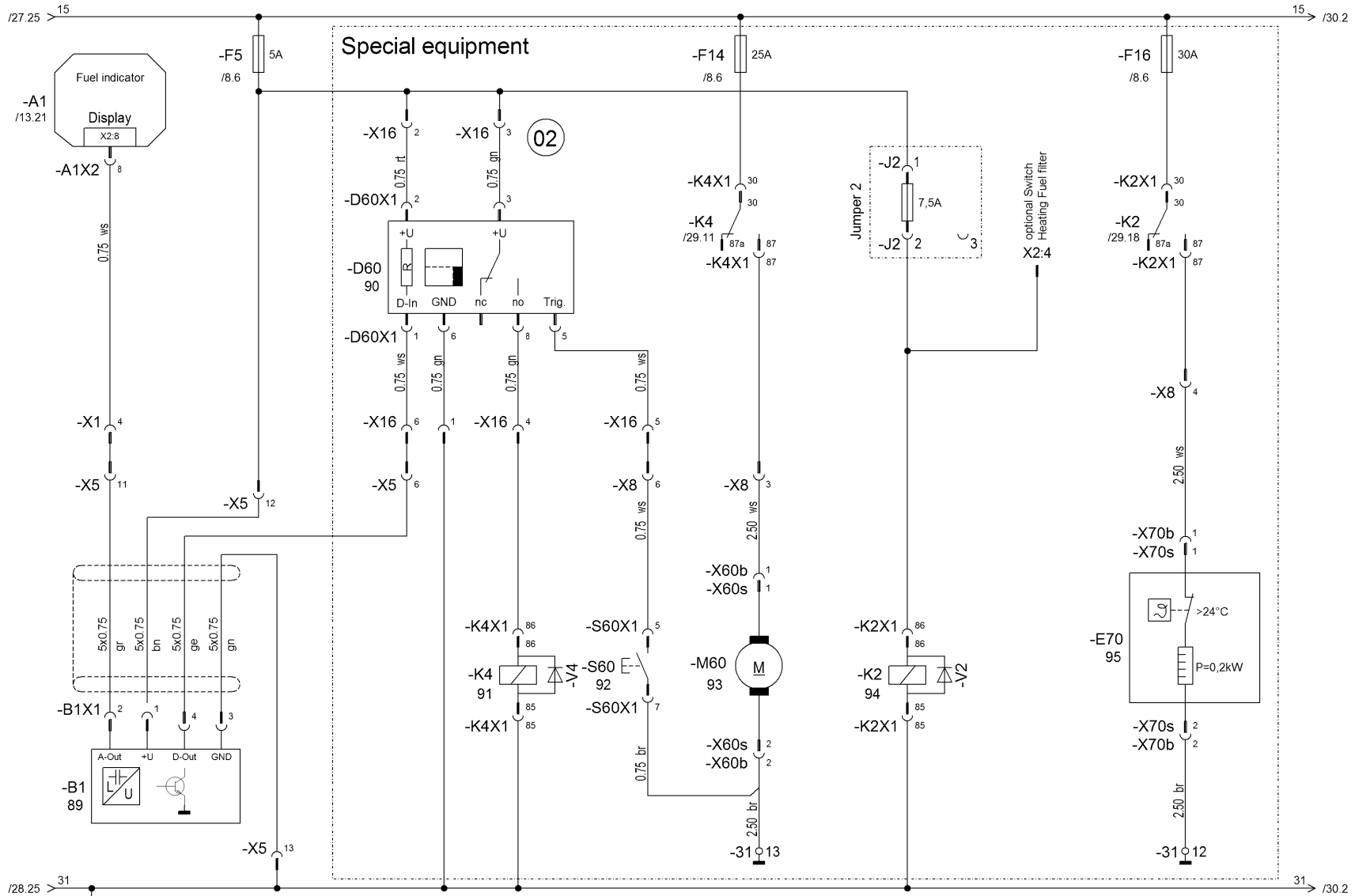
Projektbez. Circuit diagram 3412-3520, TIER3	
Zeichnungsnummer 02069545	Rev. 04

Blatt

28

68

B1.



A1: Display
B1: Level transmitter, fuel
D60: Control device Refuel pump

S60: Push button switch
Refuel pump
M60: Refuel pump

E70: Heating Fuel filter

	Änderung	Datum	Name	Datum	Name
a	02	14.05.08	Lan.	gez.	31.10.2003 Landstorfer
b	03	24.09.2013	Lan.		
c	04	01.10.2018	Lan.	gepr.	09.07.2012 Schuller
d					

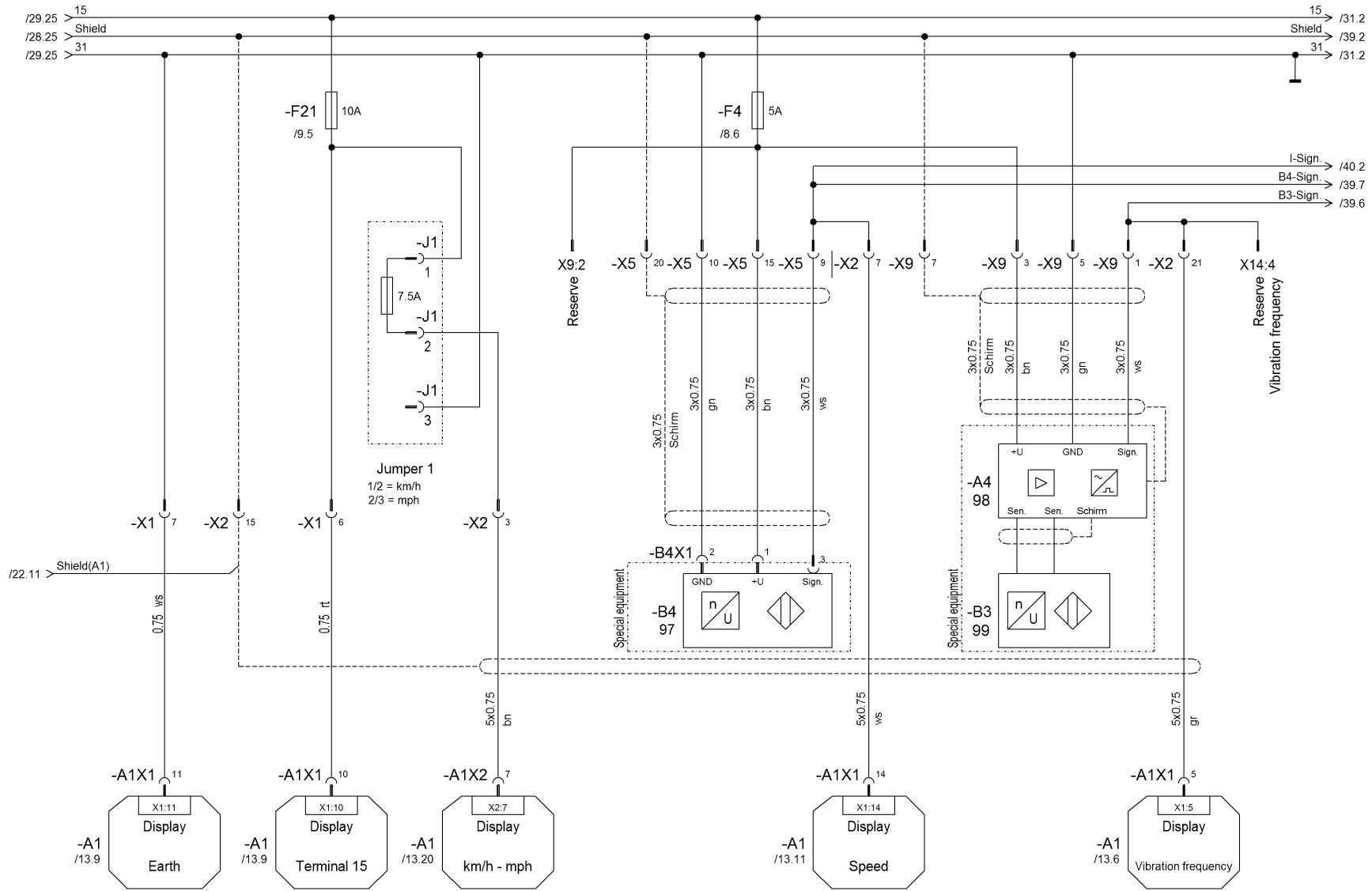


Level transmitter Fuel tank
Refuel pump
Fuel preheating

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545
Rev.
04

Blatt
29
68 Bl.

Plotdatum: 01.10.2018



Änderung	Datum	Name	Datum	Name
a	03	24.09.2013	gez.	03.11.2003 Landstorfer
b	04	01.10.2018	gez.	09.07.2012 Schuller
c				
d				



**Jumper km/h - mph
Sensor Speed
Sensor Vibration frequency**

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545

Rev.
04

Blatt

30

68

Bl.

Plotdatum: 01.10.2018

Legend:

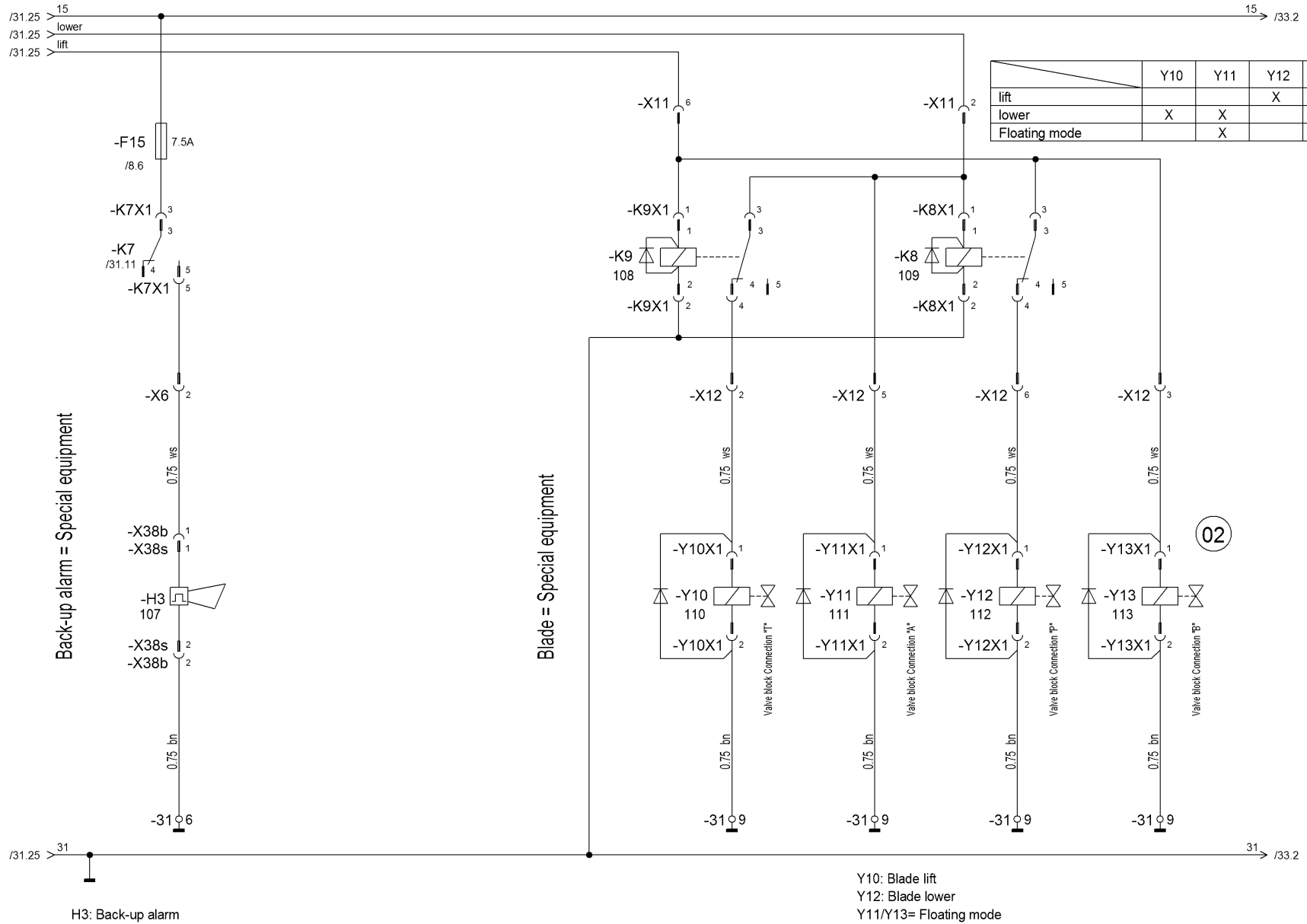
- S14: Push button switch Parking brake
- B5: Proximity switch Parking brake
- B7: Proximity switch Back-up alarm Special equipment
- B9: Proximity switch Vibro automatic Special equipment
- S1: Push button switch Vibration
- S2: Push button switch Blade lift
- S3: Push button switch Blade lower
- 2 sec. S2+S3: " Floating mode "

Special equipment

		Proximity switch Drive lever Multifunction handle Relay Parking brake / Starting release
---	---	--

Projektbez.	
Circuit diagram 3412-3520, TIER3	
Zeichnungsnummer	Rev.
02069545	04

Blatt	31
68	Bl.



02

	Änderung	Datum	Name		Datum	Name
a	02	14.05.08	Lan.	gez.	12.11.2003	Landstorfer
b	03	24.09.2013	Lan.			
c	04	01.10.2018	Lan.	gepr.	09.07.2012	Schuller
d						



Back-up alarm
Schubschild

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545

Rev.
04

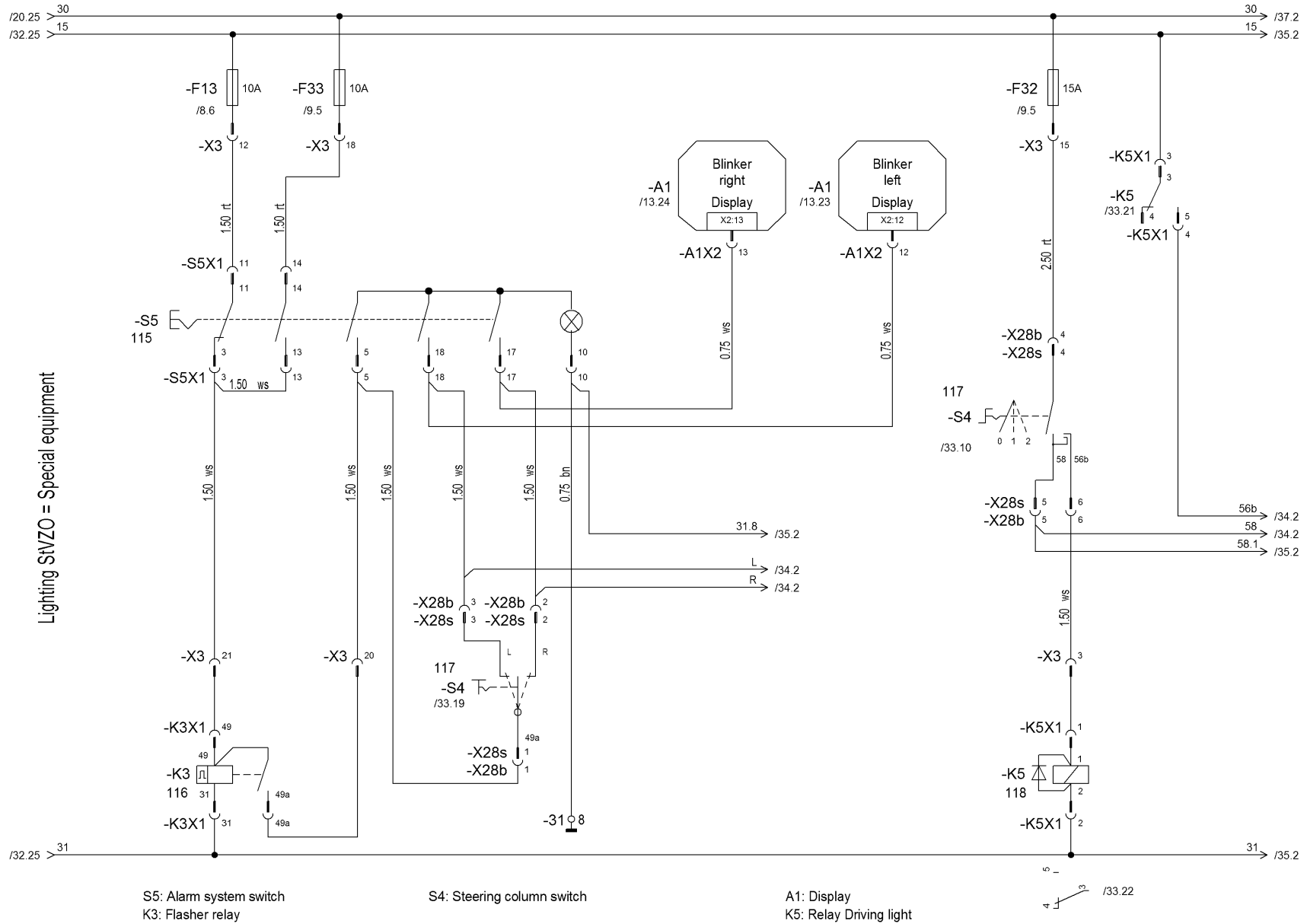
Blatt

32

68 Bl.

Plotdatum: 01.10.2018

Lighting StVZO = Special equipment



S5: Alarm system switch
K3: Flasher relay

S4: Steering column switch

A1: Display
K5: Relay Driving light

Änderung	Datum	Name	Datum	Name
a	03	24.09.2013	gez.	12.11.2003
b	04	01.10.2018	Lan.	Landstorfer
c			gepr.	09.07.2012
d				Schuller



Lighting STVZO

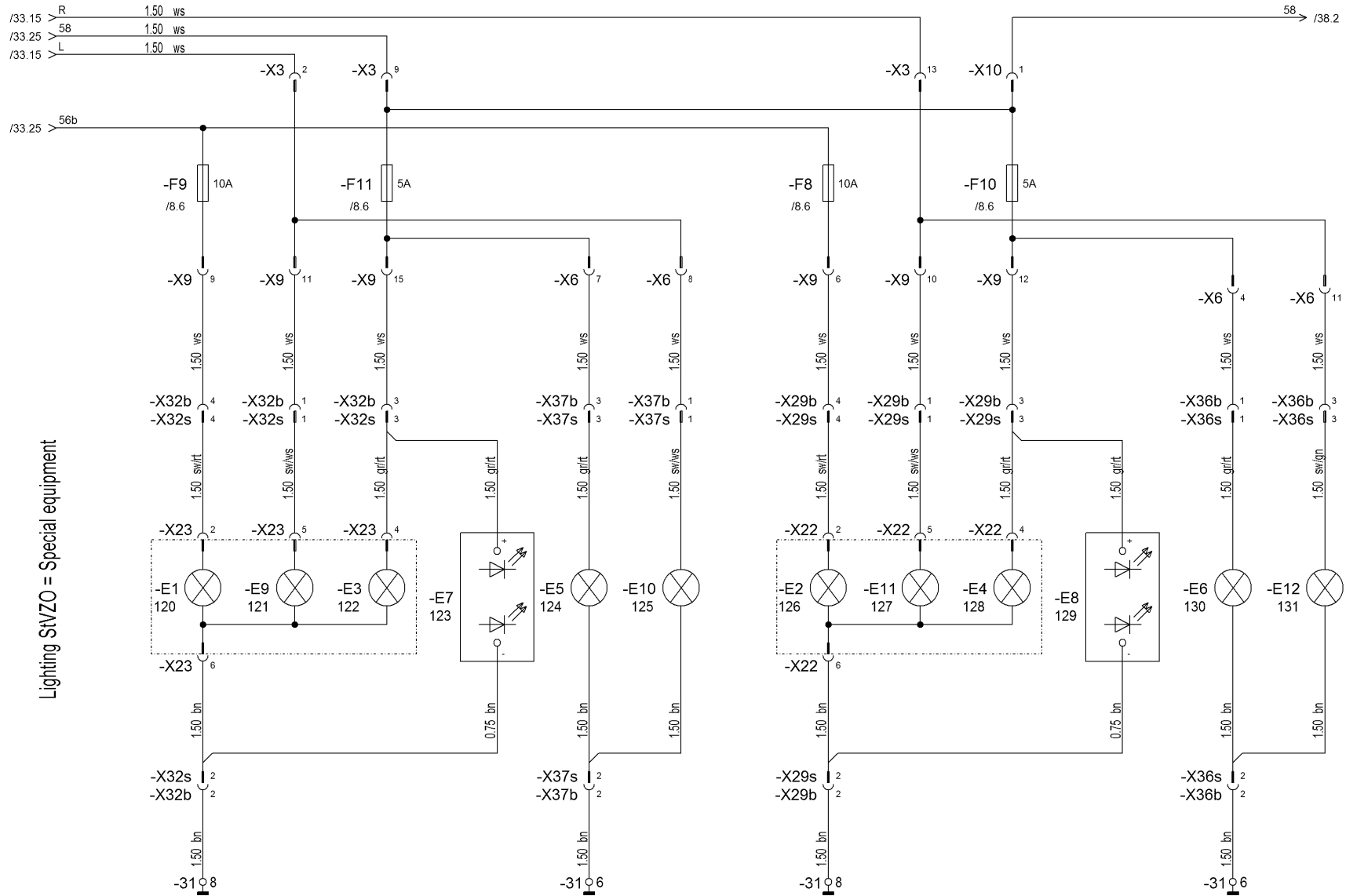
Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545

Rev.
04

Blatt
33
68 Bl.

Plotdatum: 01.10.2018

Lighting STVZO = Special equipment



E1: Driving light left
E9: Blinker front, left
E3: Parking light front, left

E5: Parking light rear, left
E10: Blinker rear, left
E7: Side lamp front, left

E2: Driving light right
E11: Blinker front, right
E4: Parking light front, right

E6: Parking light rear, right
E12: Blinker rear, right
E8: Side lamp front, right

Änderung	Datum	Name	Datum	Name
a	03	24.09.2013	gez.	12.11.2003 Landstorfer
b	04	01.10.2018	Lan.	
c			Lan.	
d			gepr.	09.07.2012 Schuller



Lighting STVZO

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545

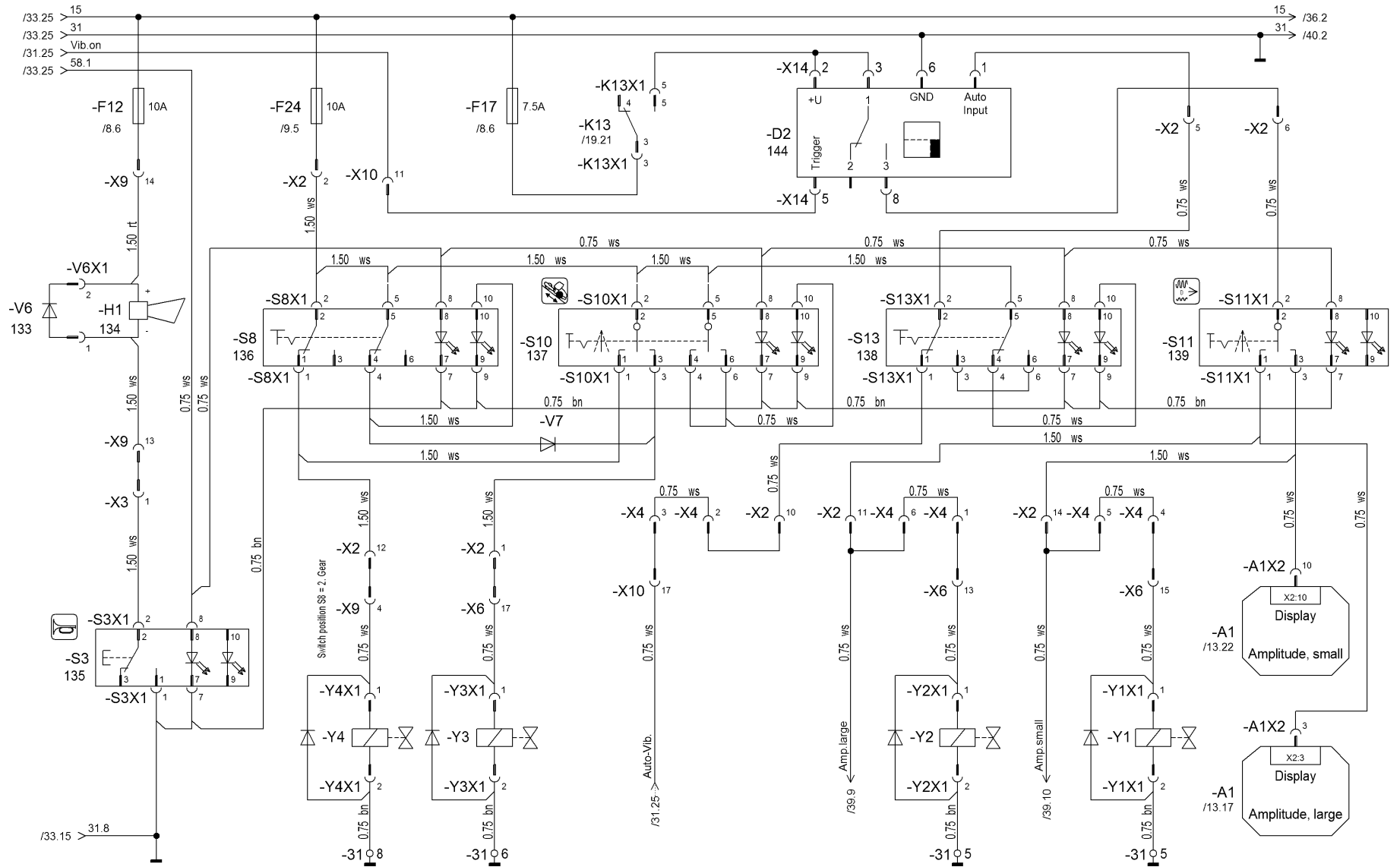
Rev.
04

Blatt

34

68

Bl.



H1: Signal horn
S8: Switch 1./2. Gear
Y4: Magnet 2. Gear Roller drum

D1: Relay (Electronic system)
S10: Switch Traction control
Y3: Magnet 2. Gear Rear axle

S13: Switch Vibro automatic
Y2: Magnet , Amplitude, large
S11: Switch Preselection of amplitudes
Y1: Magnet , Amplitude, small

Änderung	Datum	Name	Datum	Name
a	03	24.09.2013	gez.	12.11.2003 Landstorfer
b	04	01.10.2018	Lan.	
c			gepr.	09.07.2012 Schuller
d				

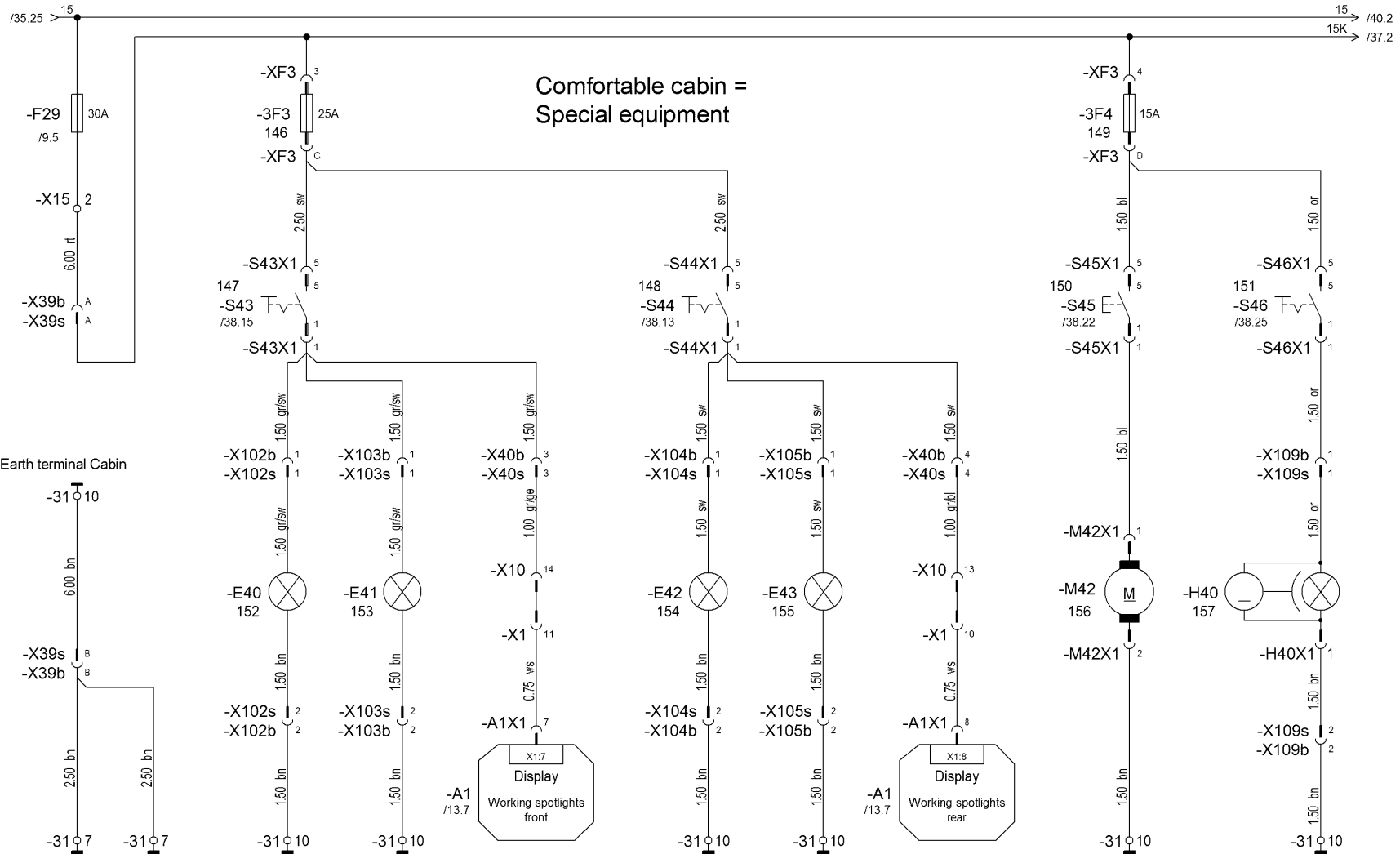


Vibration control
Gear shifting
Traction control

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545
Rev.
04

Blatt
35
68 Bl.

Plotdatum: 01.10.2018



S43: Switch Working spotlights front
E40: Working spotlights front, left
E41: Working spotlights front, right

S44: Switch Working spotlights, rear
E42: Working spotlights rear, left
E43: Working spotlights rear, right

S45: Push button switch Windshield washer
M42: Pump Windshield washer
S46: Switch Rotating-beam light
H40: Rotating-beam light

Änderung	Datum	Name	Datum	Name
a	03	24.09.2013	gez.	10.11.2003 Landstorfer
b	04	01.10.2018	Lan.	
c			gepr.	09.07.2012 Schuller
d				

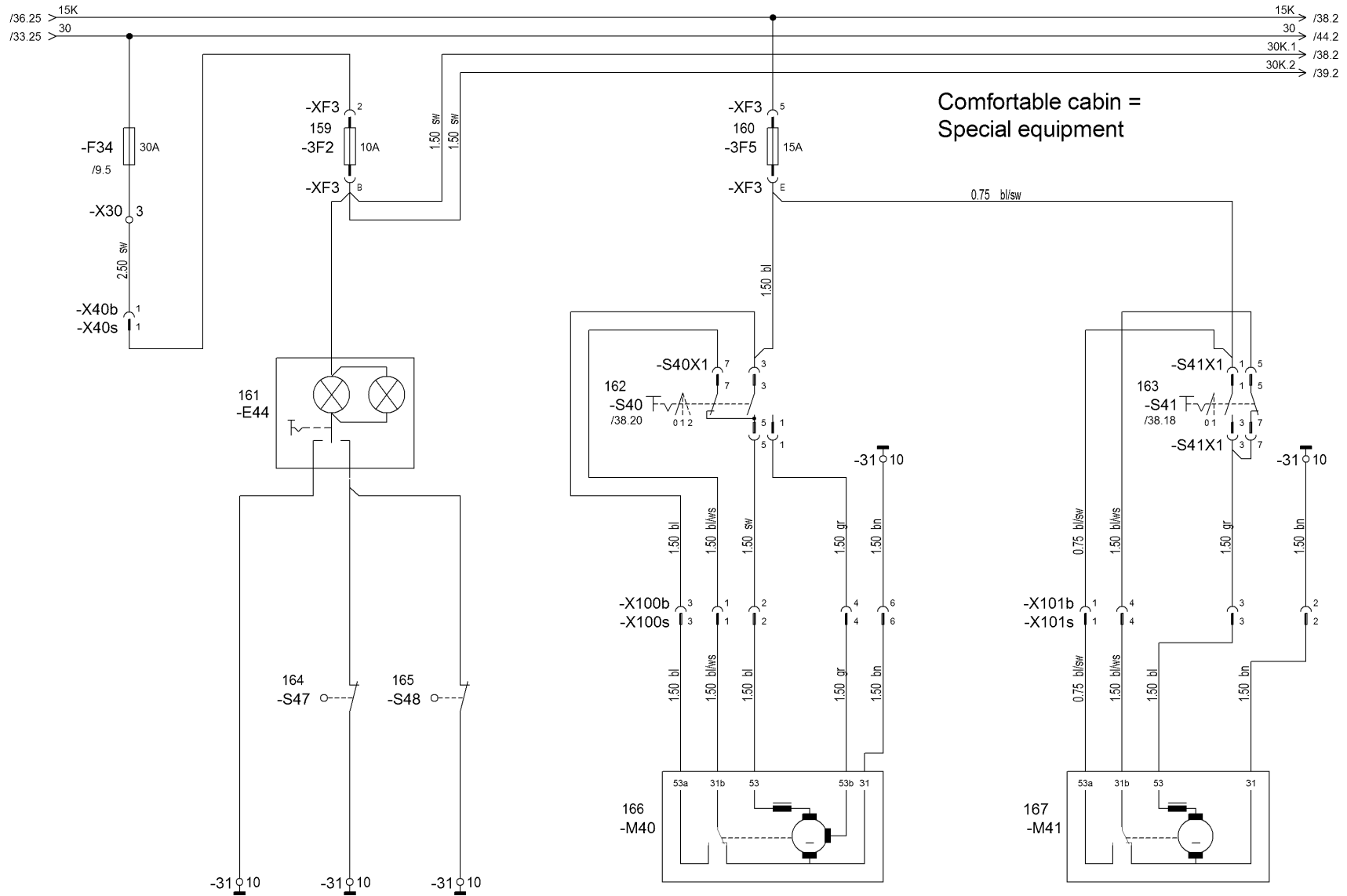


Working spotlights
Windshield washer
Rotating-beam light

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545
Rev.
04

Blatt
36
68 Bl.

Plotdatum: 01.10.2018



E44: Cab lighting

S47: Door contact switch left

S48: Door contact switch right

S40: Switch Windshield wiper front

M40: Windscreen wiper motor front

S41: Switch Windshield wiper rear

M41: Windscreen wiper motor rear

Änderung	Datum	Name	Datum	Name
a	03	24.09.2013	gez.	10.11.2003 Landstorfer
b	04	01.10.2018	gez.	09.07.2012 Schuller
c				
d				



Cab lighting
Windshield wiper

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545

Rev.
04

Blatt

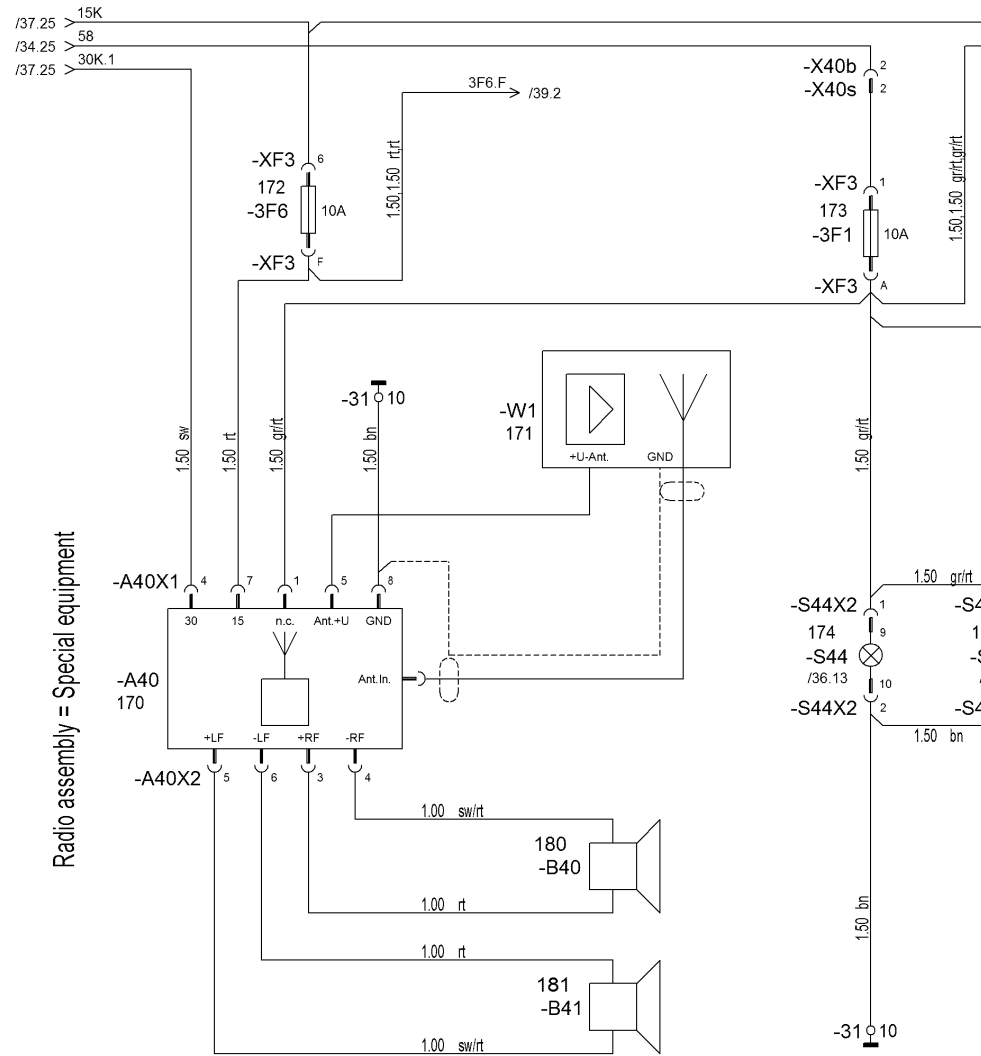
37

68

Bl.

Plotdatum: 01.10.2018

Radio assembly = Special equipment



A40: Radio

B40: Loudspeaker right

S44: Switch Working spotlights, rear

W1: Antenna

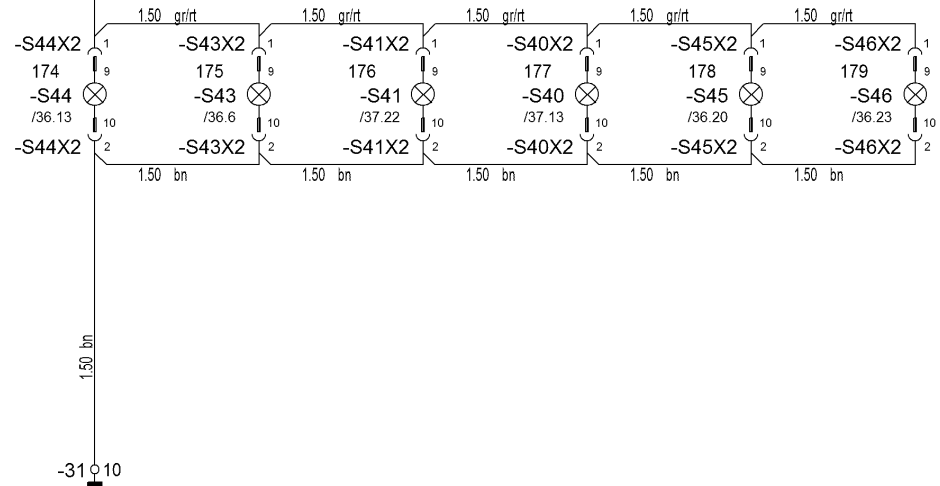
B41: Loudspeaker left

S43: Switch Working spotlights front

S41: Switch Windshield wiper rear

Comfortable cabin =
Special equipment

Instrumentation lighting Console



S40: Switch Windshield wiper front

S45: Push button switch Windshield washer

S46: Switch Rotating-beam light

	Änderung	Datum	Name		Datum	Name
a				gez.	10.11.2003	Landstorfer
b	03	24.09.2013	Lan.			
c	04	01.10.2018	Lan.	gepr.	09.07.2012	Schuller
d						



Radio assembly
Instrumentation lighting Cabin

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545
Rev.
04

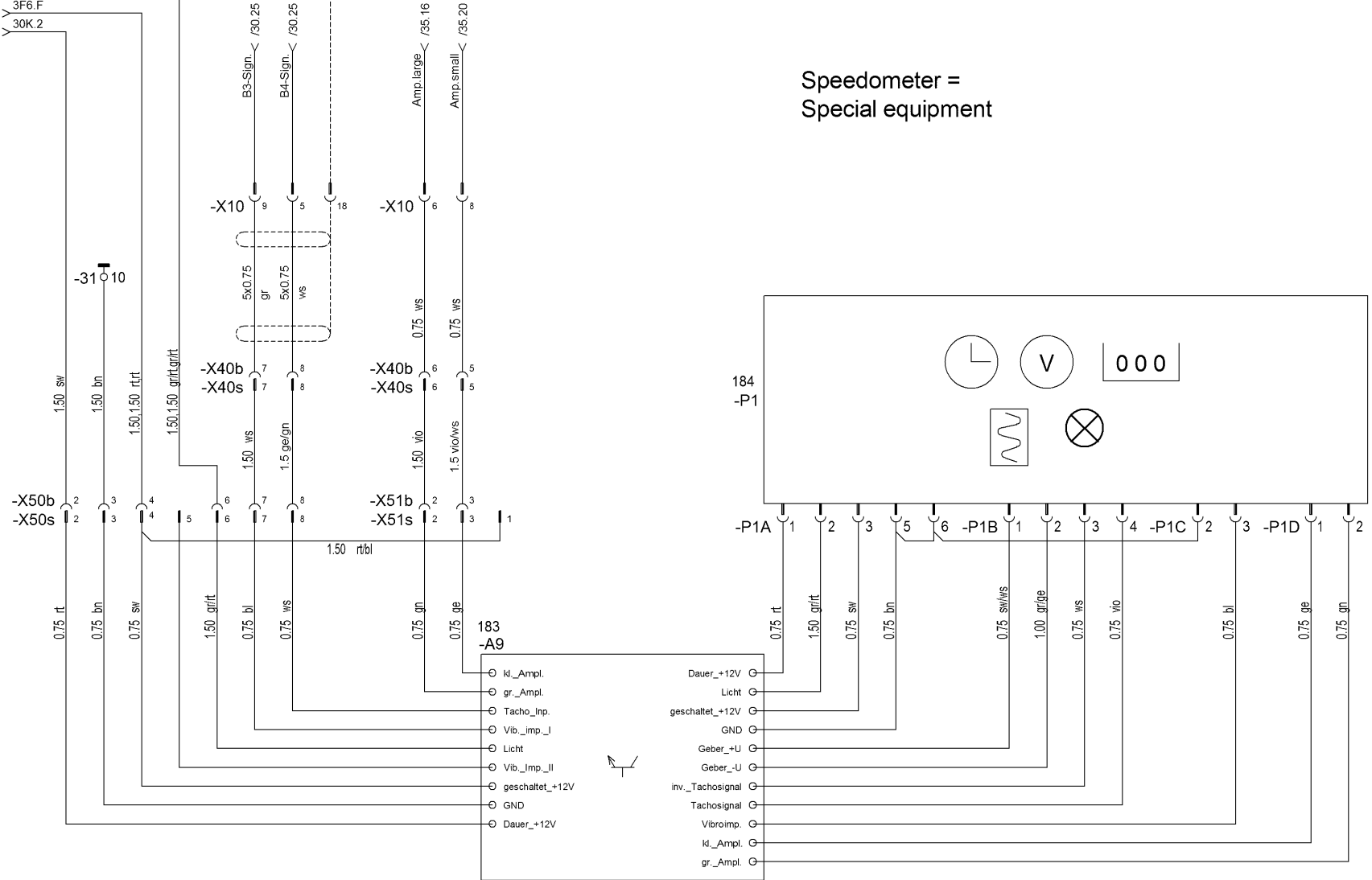
Blatt
38
68 Bl.

Plotdatum: 01.10.2018

/30.25 Shield
/38.24 58K
/38.8 3F6.F
/37.25 30K.2

Shield → /40.2

Speedometer =
Special equipment



A9: Interface Speedometer

P1: Speedometer

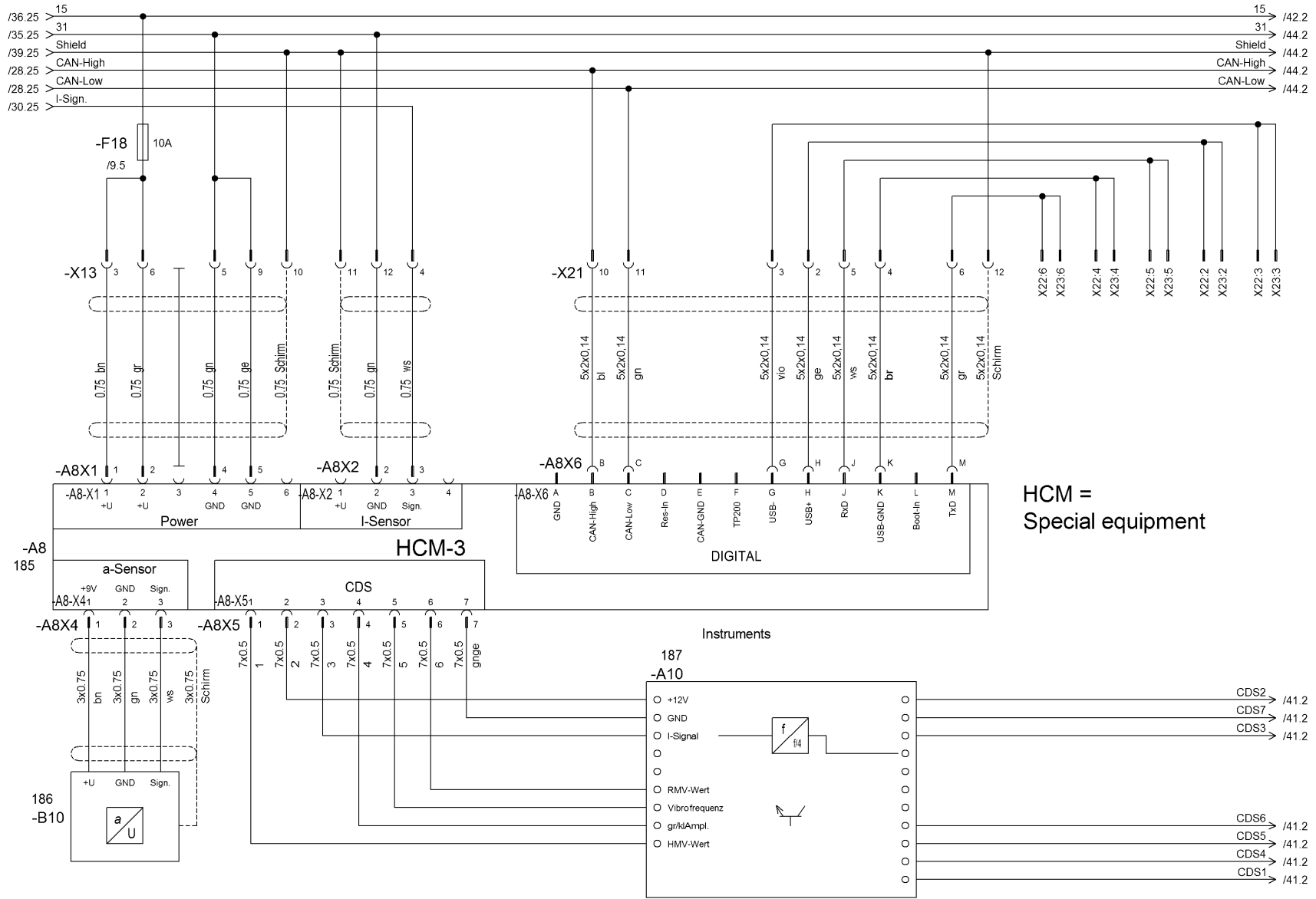
Änderung	Datum	Name	Datum	Name
a	03	24.09.2013	gez.	18.12.2003 Landstorfer
b	04	01.10.2018	Lan.	
c			gepr.	09.07.2012 Schuller
d				



Tachograph

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
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Rev.
04

Blatt
39
88 Bl.



B10: Acceleration sensor

A8: Compactometer HCM

A10: Interface CDS-Display

Änderung	Datum	Name	Datum	Name
a	03	24.09.2013	gez.	18.12.2003 Landstorfer
b	04	01.10.2018	gez.	09.07.2012 Schuller
c				
d				

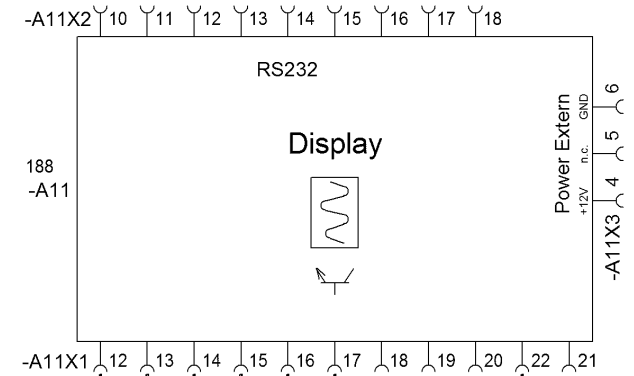
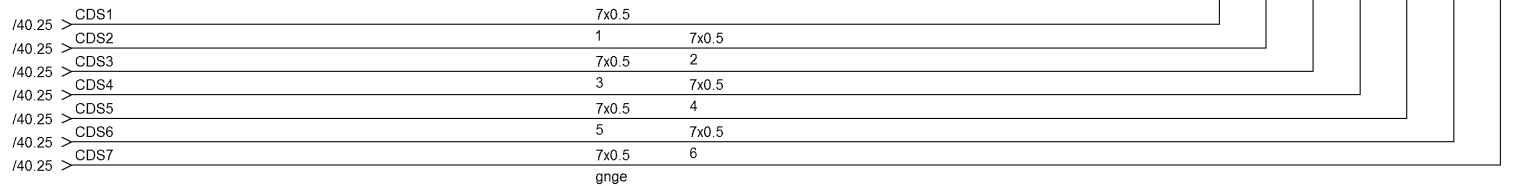


Compactometer HCM
Acceleration sensor

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545
Rev.
04

Blatt
40
68 Bl.

CDS =
Special equipment



A11: CDS Display

	Änderung	Datum	Name		Datum	Name
a	03	24.09.2013	Lan.	gez.	22.06.2006	Landstorfer
b	04	01.10.2018	Lan.	gepr.	09.07.2012	Schuller
c						
d						



CDS Display

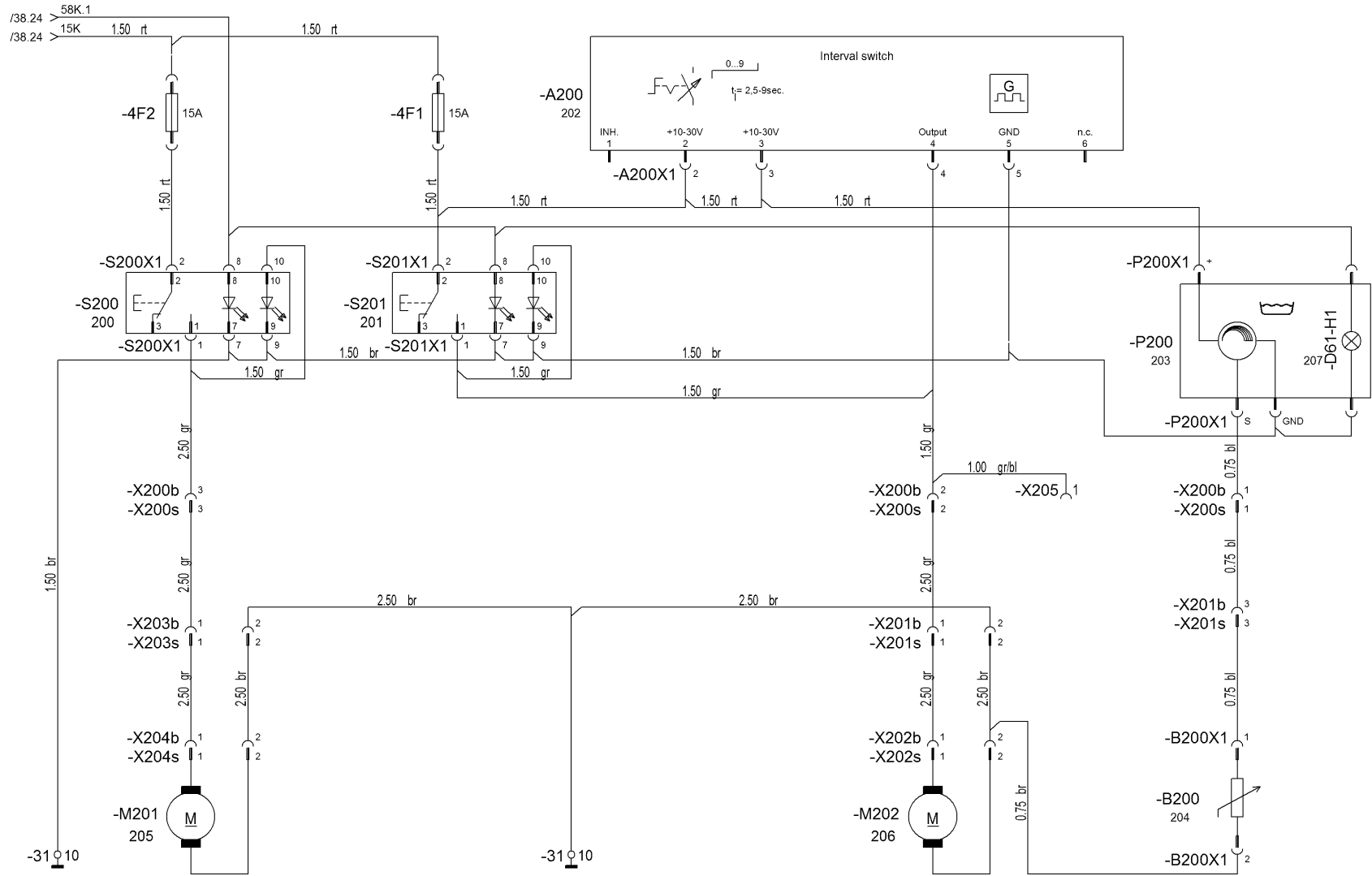
Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545
Rev.
04

Blatt
41
68 Bl.



Special equipment
Air conditioning

68 BI



S200: Push butt.switch, additive sprinkl.
M201: Water pump Additive sprinkling

M202: Water pump
S201: Push button switch Water pump
A200: Interval switch

P200: Water level indicator
B200: Level transmitter, water

Änderung	Datum	Name	Datum	Name
a	03	24.09.2013	gez.	09.02.2007 Landstorfer
b	04	01.10.2018	gepr.	09.07.2012 Schuller



**Special equipment
Sprinkling**

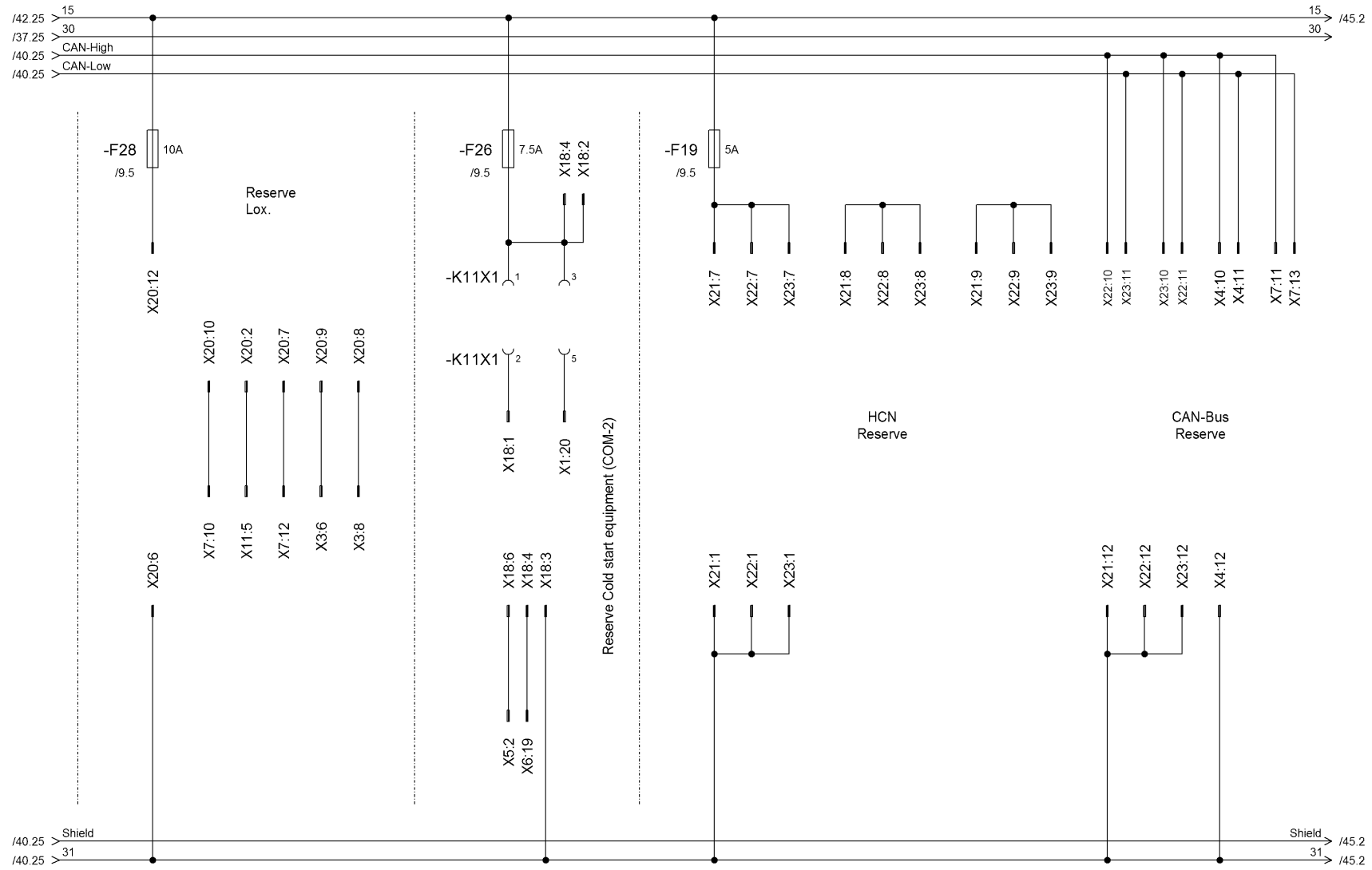
Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545

Rev.
04

Blatt
43
68 Bl.

Plotdatum: 01.10.2018

Vervielfältigung oder Weitergabe nur nach schriftlicher Genehmigung des Schutzvermerk nach DIN 34 beachten



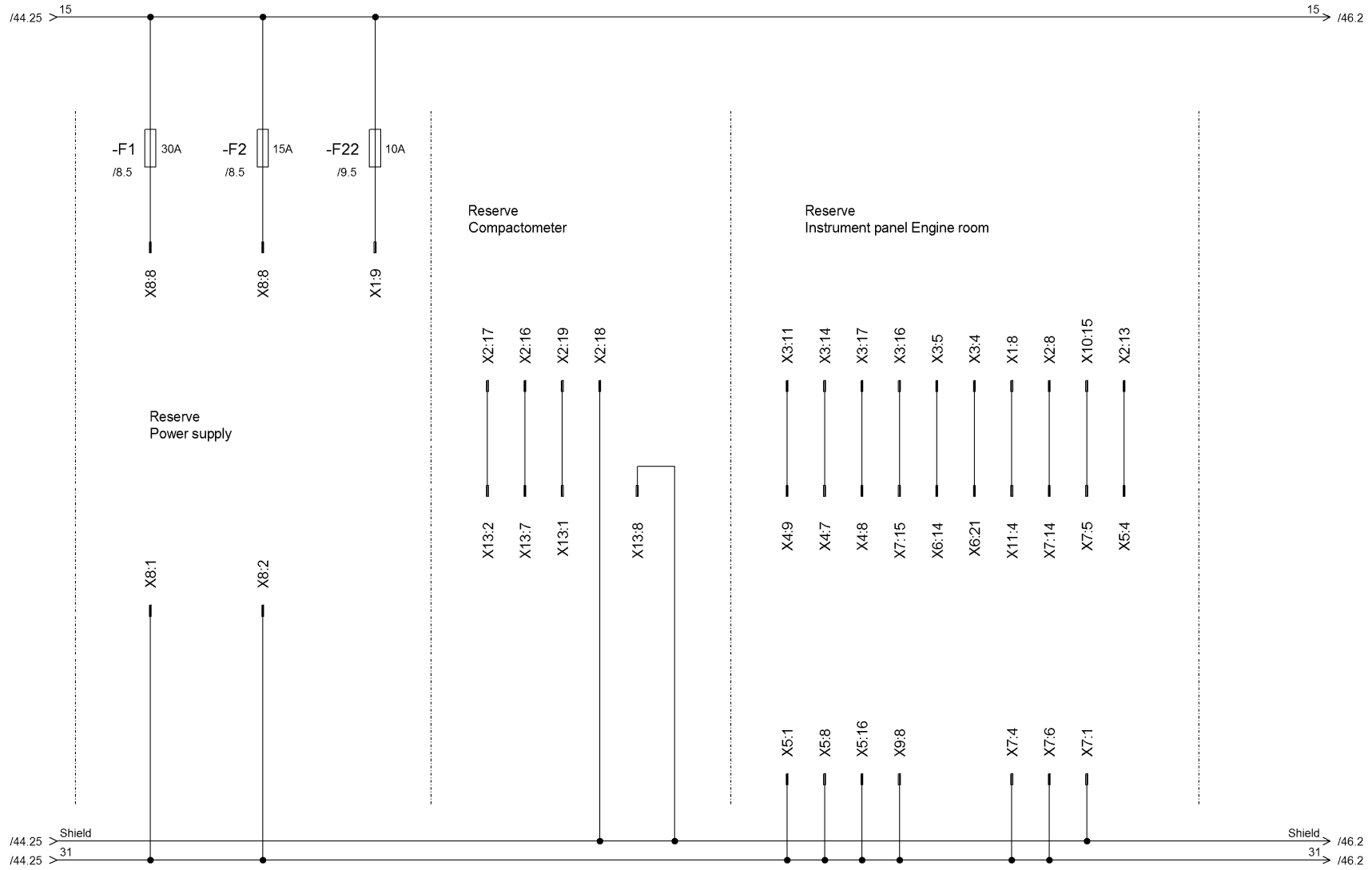
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a				gez.	23.06.2006	Landstorfer
b	03	24.09.2013	Jan.			
c	04	01.10.2018	Jan.	gepr.	09.07.2012	Schuller
d						



Reserve
Central electric

Projektbez. Circuit diagram 3412-3520, TIER3	
Zeichnungsnummer 02069545	Rev. 04

Blatt	44
68	Bl.



Änderung	Datum	Name		Datum	Name
a	03	24.09.2013	gez.	03.07.2006	Landstorfer
b	04	01.10.2018	gez.	09.07.2012	Schuller
c					
d					



Reserve
Central electric

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545

Rev.
04

Blatt

45

68

Bl.

Plotdatum: 01.10.2018

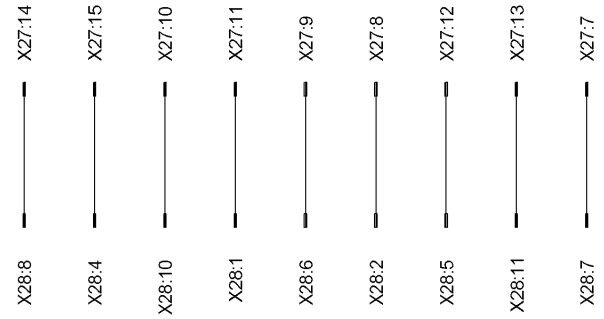
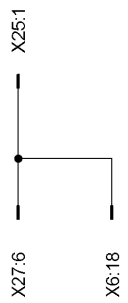
/45.25 15

15 → =SE/100.2

Reserve
Control device Diesel engine

/45.25 Shield
/45.25 31

Shield
31 → =SE/100.2



	Änderung	Datum	Name		Datum	Name
a	03	24.09.2013	Lan.	gez.	07.07.2006	Landstorfer
b	04	01.10.2018	Lan.			
c				gepr.	09.07.2012	Schuller
d						



Reserve
Central electric

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545

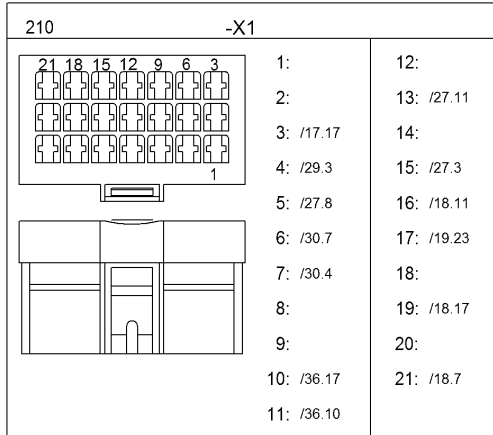
Rev.
04

Blatt
46
68 Bl.

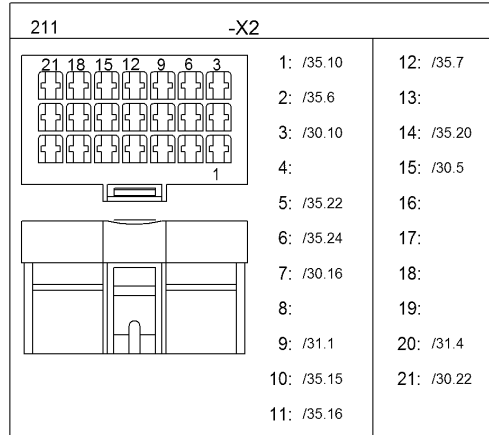
Plotdatum: 01.10.2018

Electric plug Central electric

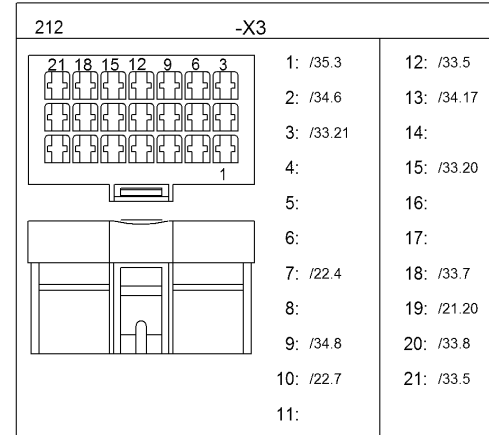
Wire harness
Instrument panel



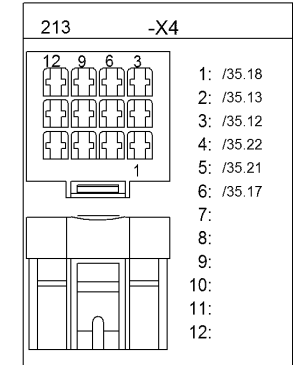
Wire harness
Instrument panel



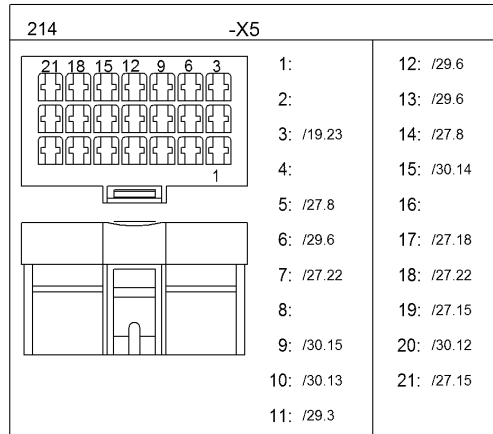
Wire harness
Instrument panel



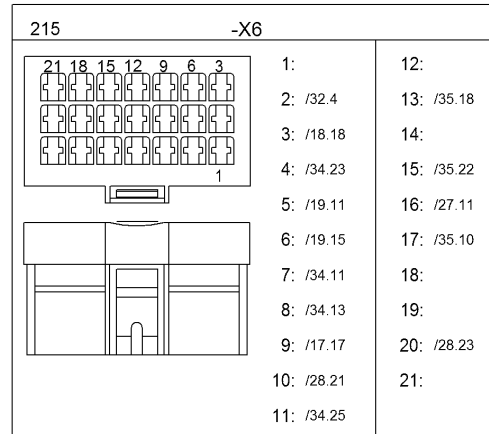
Contact bridge
Vibration



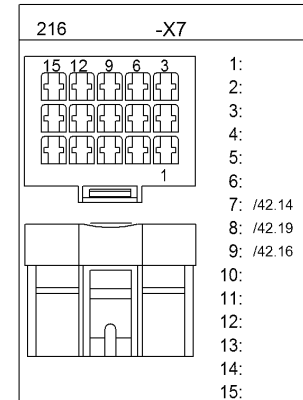
Wire harness
Engine room



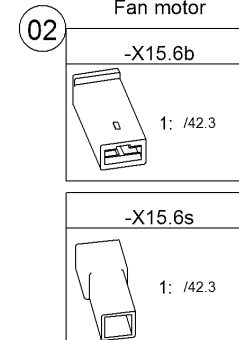
Wire harness
Engine room



Wire harness
Engine room



Supply line
Fan motor



Änderung	Datum	Name	Datum	Name
a 02	14.05.08	Lan.	gez. 18.12.2003	Landstorfer
b 03	24.09.2013	Lan.		
c 04	01.10.2018	Lan.	gepr. 09.07.2012	Schuller



**Electric plug
Central electric**

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545

Rev.
04

Blatt

47

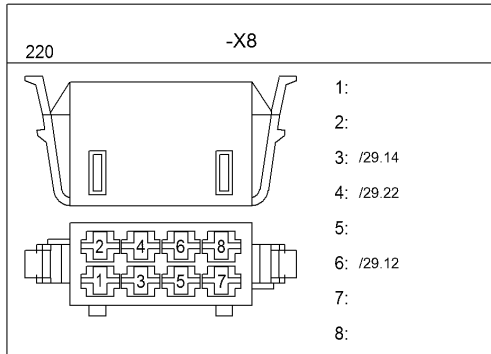
68

Bl.

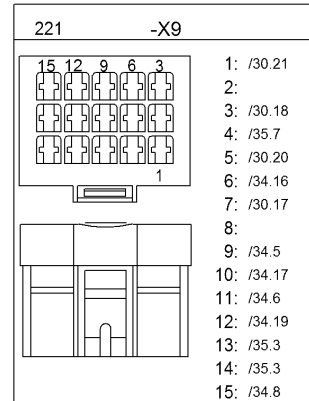
Plotdatum: 01.10.2018

Electric plug Central electric

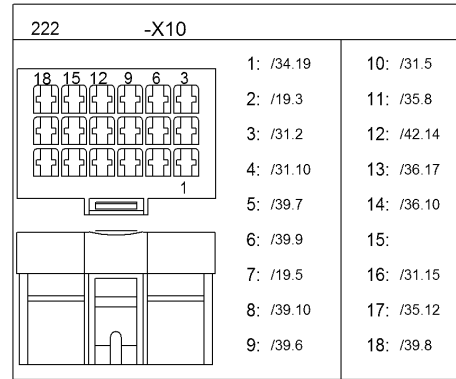
Wire harness
Engine room



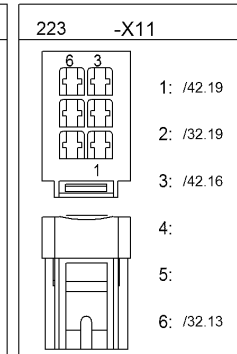
Wire harness
Front roller



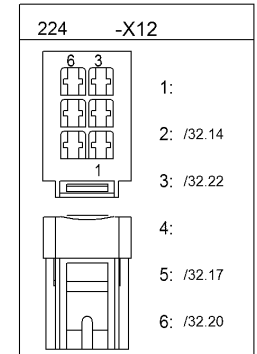
Wire harness
Cabin



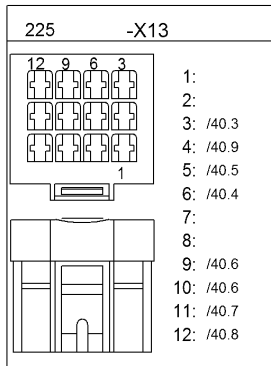
Wire harness
Cabin



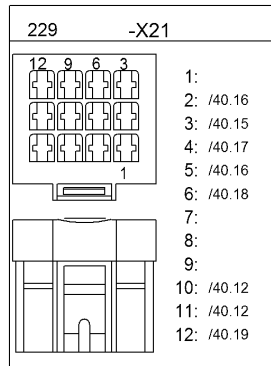
Wire harness
Blade



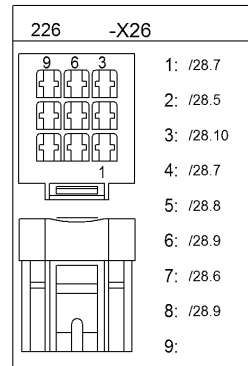
Wire harness
HCM



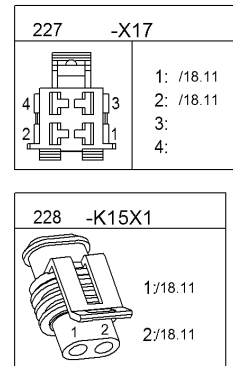
Wire harness
HCM



Potentiometer
Speed adjustment
Diesel engine

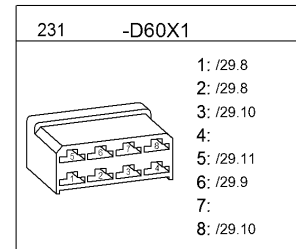
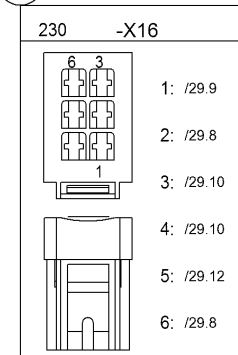


Wire harness
high current relay
Supply system



02

Control device Refuel pump



Vervielfältigung oder Weitergabe nur mit unserer schriftlichen Genehmigung gestattet
Schutzvermerk nach DIN 34 beachten

Änderung	Datum	Name	gepr.	Datum	Name
a	02	14.05.08	Lan.	18.12.2003	Landstorfer
b	03	24.09.2013	Lan.		
c	04	01.10.2018	Lan.	09.07.2012	Schuller
d					



Electric plug
Central electric

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545

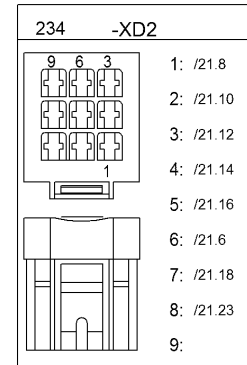
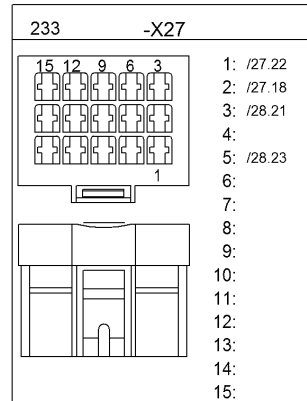
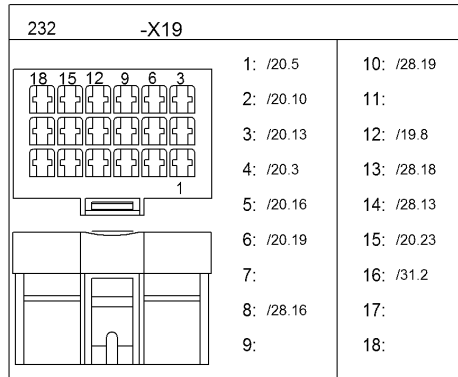
Rev.
04

Blatt
48
88 Bl.

Plotdatum: 01.10.2018

Electric plug Central electric

Wire harness Control device Diesel engine EMR-3



	Änderung	Datum	Name		Datum	Name
a	03	24.09.2013	Lan.	gez.	07.07.2006	Landstorfer
b	04	01.10.2018	Lan.	gepr.	09.07.2012	Schuller
c						
d						



**Electric plug
Central electric**

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545

Rev.
04

Blatt

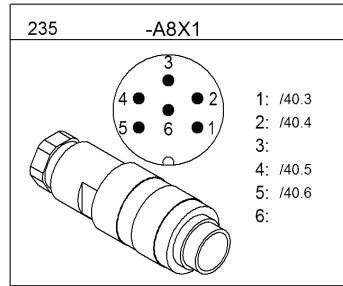
49

68 Bl.

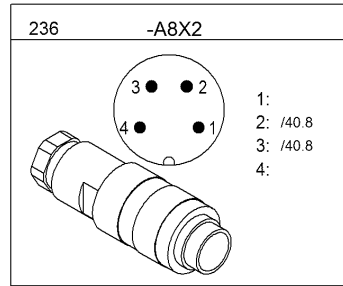
Plotdatum: 01.10.2018

Electric plug E-Box

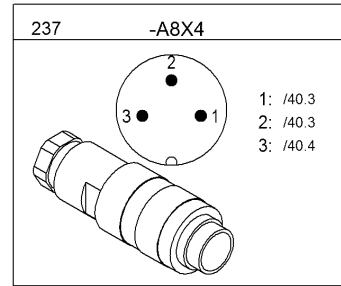
HCM Power



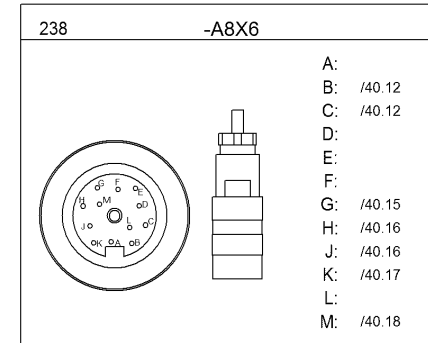
HCM I-Signal



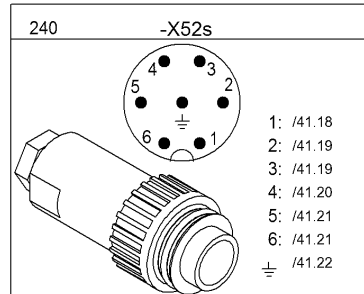
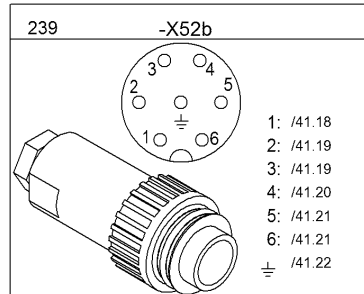
HCM a-Signal



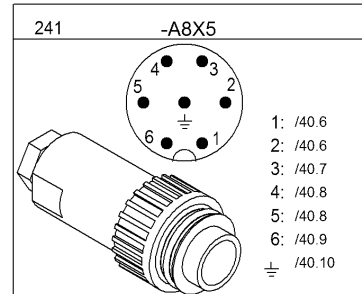
HCM DIGITAL



CDS-Display



HCM CDS Electric plug



Änderung	Datum	Name	Datum	Name
a	03	24.09.2013	gez.	18.12.2003 Landstorfer
b	04	01.10.2018	gepr.	09.07.2012 Schuller
c				
d				



Electric plug E-Box

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545

Rev.
04

Blatt

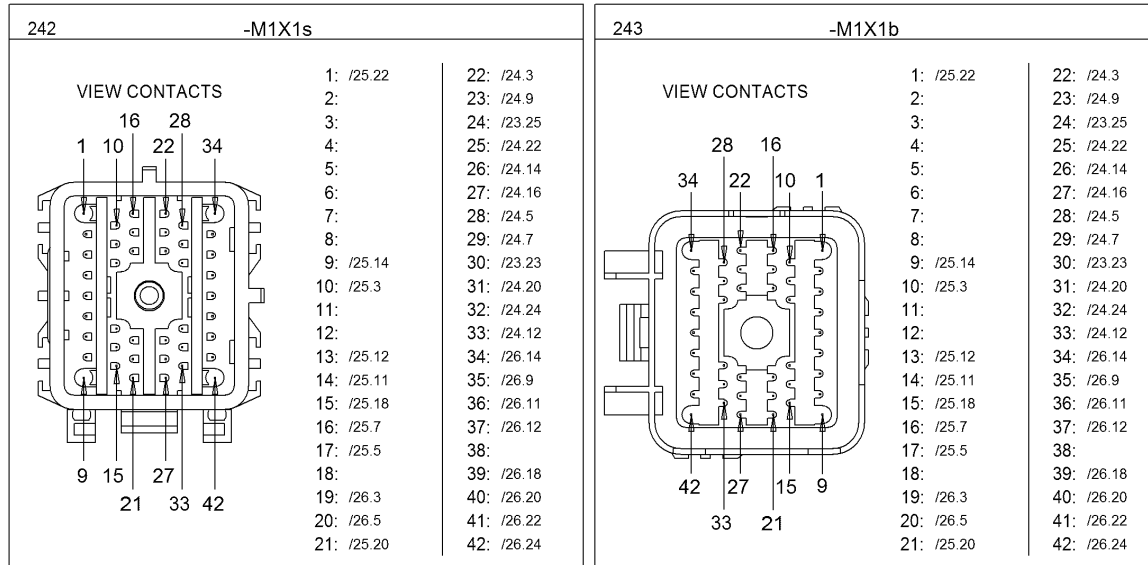
50

68

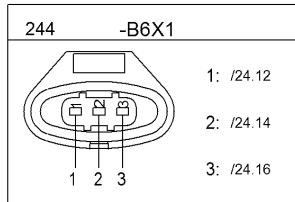
Bl.

Plotdatum: 01.10.2018

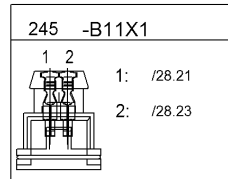
Central plug Diesel engine



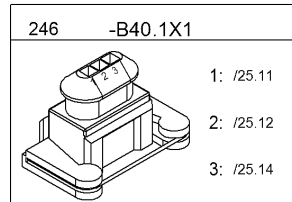
Sensor
Engine oil pressure



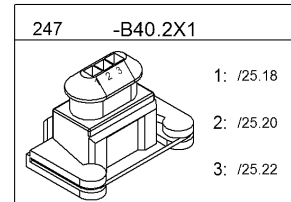
Sensor Water level
Fuel prefilter



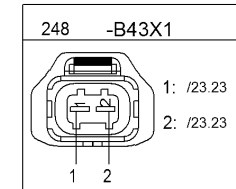
Speed sensor
Camshaft



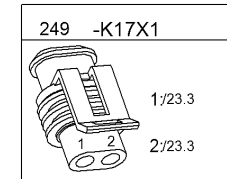
Speed sensor
Crankshaft



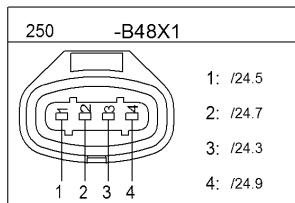
Temperature sensor
Coolant



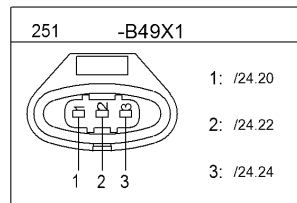
Relay
Cold-start aid



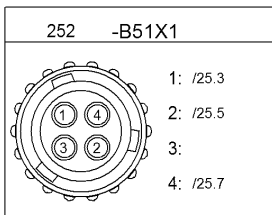
Sensor
Boost air



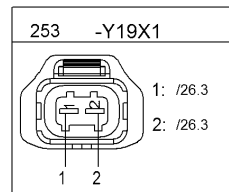
Pressure sensor
Fuel RAIL



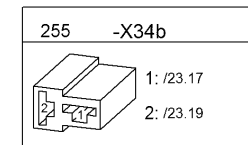
Low pressure
Fuel



Valve
Fuel RAIL



Reserve
Starting relay



Änderung	Datum	Name	Datum	Name
a	03	24.09.2013	gez.	07.07.2006 Landstorfer
b	04	01.10.2018	gepr.	09.07.2012 Schuller
c				
d				



Connector Diesel engine

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545

Rev.
04

Blatt

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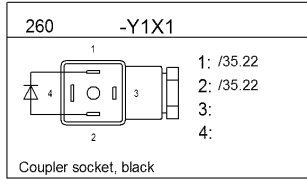
68

Bl.

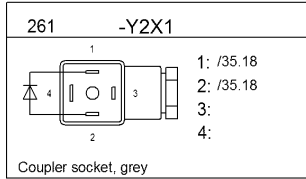
Plotdatum: 01.10.2018

Connector Engine room

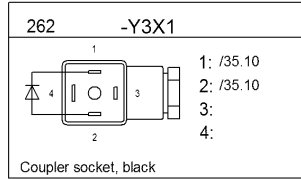
Magnet
Amplitude, small



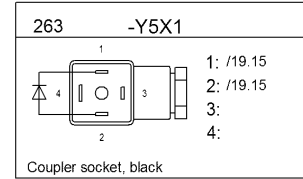
Magnet
Amplitude, large



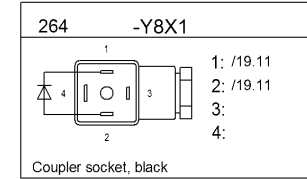
Magnet
Gear shifting



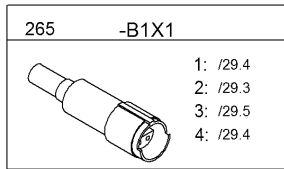
Brake valve



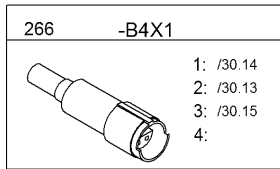
Magnet
Drive pump



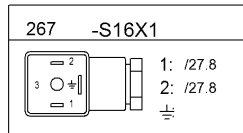
Level transmitter
Fuel



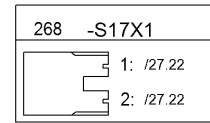
Sensor
Speed



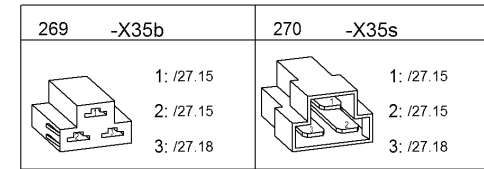
Filter indicator
Hydraulic oil filter



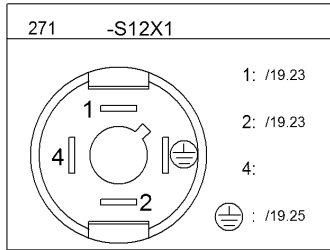
Pressure switch
Air filter



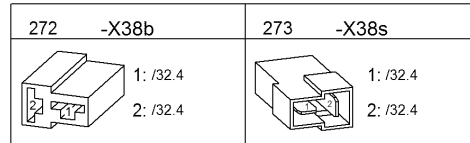
Sensor
Coolant level



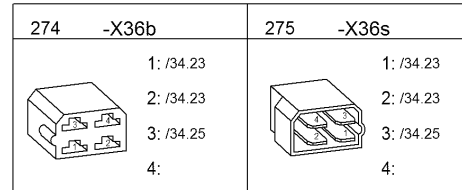
Pressure switch
Parking brake



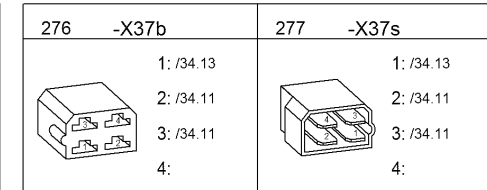
Back-up alarm



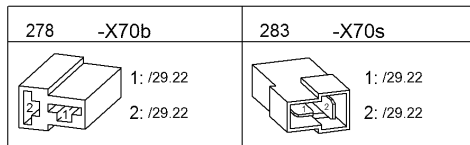
Lighting
rear, right



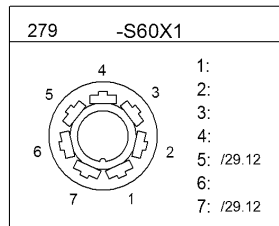
Lighting
rear, left



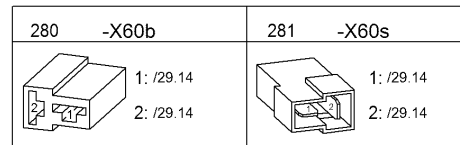
Heating
Fuel filter



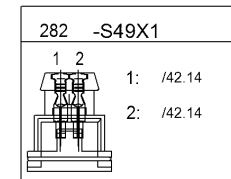
Push button switch Charge pump
Fuel tank



Charge pump
Fuel tank



Pressure switch
Air conditioning



Änderung	Datum	Name	Datum	Name
a	03	24.09.2013	gez.	20.04.2004 Landstorfer
b	04	01.10.2018	gez.	09.07.2012 Schuller
c				
d				



Connector Engine room

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545

Rev.
04

Blatt

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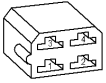
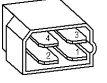
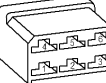
68

Bl.

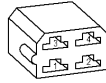
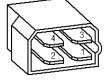
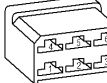
Plotdatum: 01.10.2018

Connector Front roller

Lighting
front, left

285	-X32b	286	-X32s	287	-X23
	1: /34.6 2: /34.5 3: /34.8 4: /34.5		1: /34.6 2: /34.5 3: /34.8 4: /34.5		1: 2: /34.5 3: 4: /34.8 5: /34.6 6: /34.5

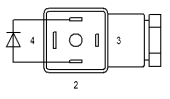
Lighting
front, right

288	-X29b	289	-X29s	290	-X22
	1: /34.17 2: /34.16 3: /34.19 4: /34.16		1: /34.17 2: /34.16 3: /34.19 4: /34.16		1: 2: /34.16 3: 4: /34.19 5: /34.17 6: /34.16

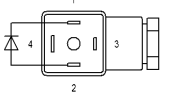
Signal horn

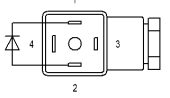
291	-V6X1
	1: /35.2 2: /35.2

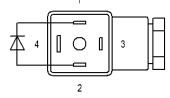
Magnet
Gear shifting

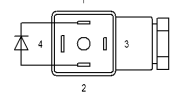
292	-Y4X1
	1: /35.7 2: /35.7 3: 4:
Coupler socket, black	

Plug Blade

293	-Y10X1
	1: /32.14 2: /32.14 3: 4:
Coupler socket, black	

294	-Y11X1
	1: /32.17 2: /32.17 3: 4:
Coupler socket, grey	

295	-Y12X1
	1: /32.20 2: /32.20 3: 4:
Coupler socket, grey	

296	-Y13X1
	1: /32.22 2: /32.22 3: 4:
Coupler socket, black	

	Änderung	Datum	Name		Datum	Name
a	03	24.09.2013	Lan.	gez.	20.04.2004	Landstorfer
b	04	01.10.2018	Lan.			
c				gepr.	09.07.2012	Schuller
d						



Connector Engine room
Connector Front roller

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545

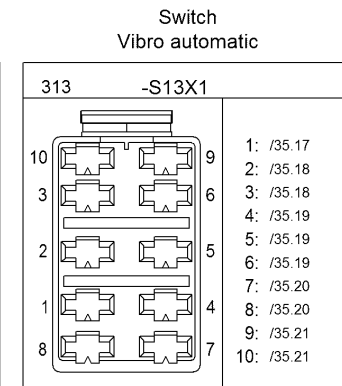
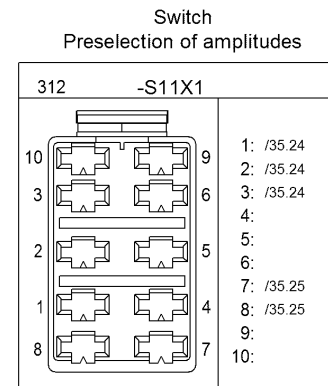
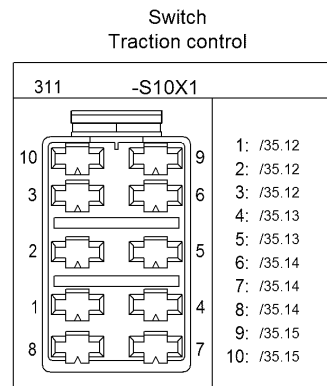
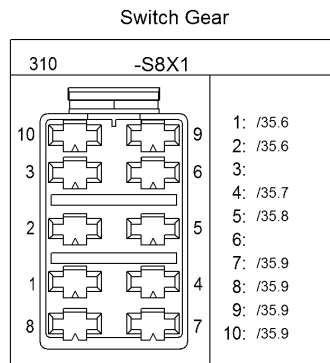
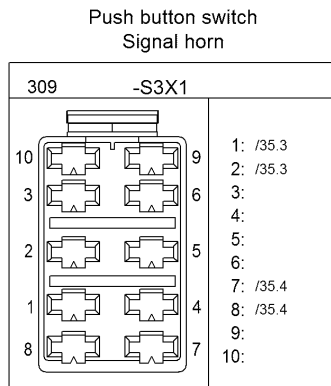
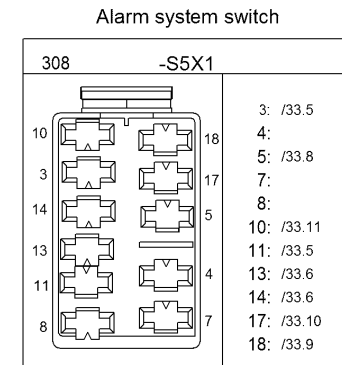
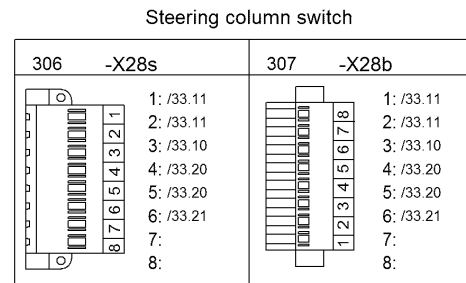
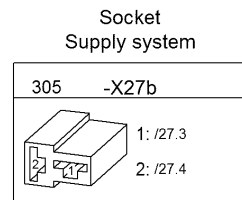
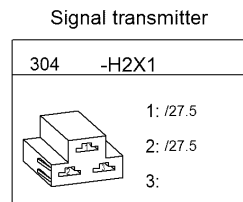
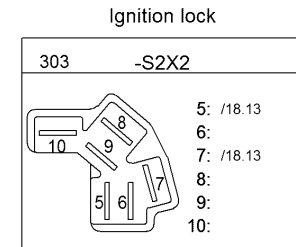
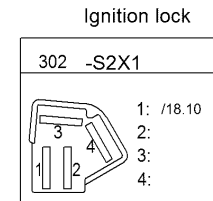
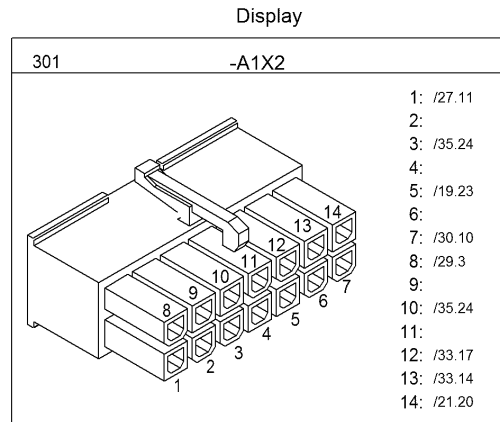
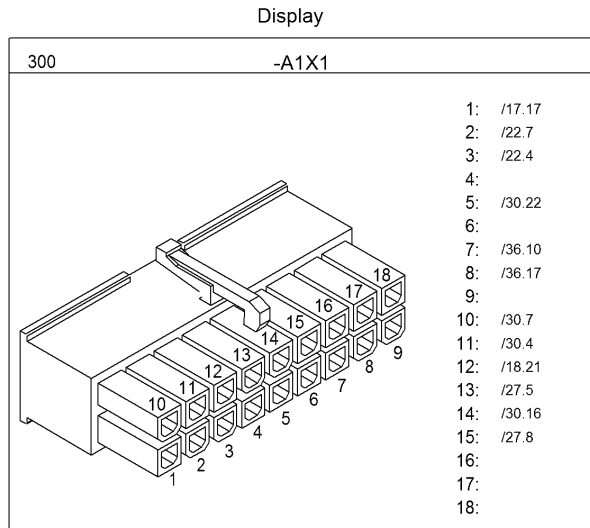
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04

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53

68 Bl.

Plotdatum: 01.10.2018



Änderung	Datum	Name		Datum	Name
a	03	24.09.2013	Lan.	gez.	20.04.2004 Landstorfer
b	04	01.10.2018	Lan.		
c				gepr.	09.07.2012 Schuller
d					



Central plug Instrument panel

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
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Wire harness Lengthening
Seat pedestal

315	-X42b	316	-X42s

Wire harness Lengthening
Seat pedestal

317	-X43b	318	-X43s

Wire harness Lengthening
Seat pedestal

319	-X44b	320	-X44s

Wire harness
Seat pedestal

321	-X45b	322	-X45s

Wire harness
Seat pedestal

323	-X46b	324	-X46s

Proximity switch
Back-up alarm

325	-X47b	326	-X47s

Proximity switch
Vibro automatic

327	-X48b	328	-X48s

Änderung	Datum	Name	gepr.	Datum	Name
a	03	24.09.2013	Lan.	gez.	12.07.2006 Landstorfer
b	04	01.10.2018	Lan.	gepr.	09.07.2012 Schuller
c					
d					

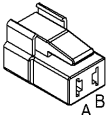
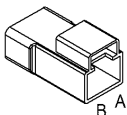


Connector Operator platform

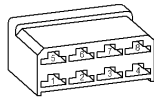
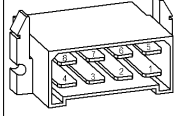
Projektbez.	Circuit diagram 3412-3520, TIER3
Zeichnungsnummer	02069545
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68	Bl.

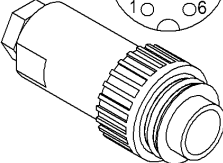
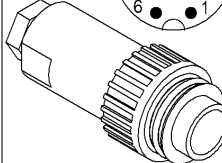
Plug Terminal 15 Cabin

330 -X39b	331 -X39s
	
A: /36.2 B: /36.2	A: /36.2 B: /36.2

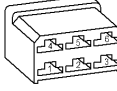
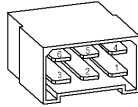
Cabin

332 -X40b	333 -X40s
	
1: /37.3 2: /38.13 3: /36.10 4: /36.17 5: /39.10 6: /39.9 7: /39.6 8: /39.7	1: /37.3 2: /38.13 3: /36.10 4: /36.17 5: /39.10 6: /39.9 7: /39.6 8: /39.7

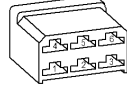
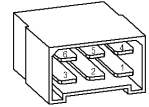
CDS Display

334 -X53b	335 -X53s
	
1: /41.18 2: /41.19 3: /41.19 4: /41.20 5: /41.21 6: /41.21 ⊥ /41.22	1: /41.18 2: /41.19 3: /41.19 4: /41.20 5: /41.21 6: /41.21 ⊥ /41.22

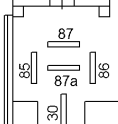
Heating / Air conditioning

336 -X41b	337 -X41s
	
1: /42.5 2: /42.14 3: /42.19 4: /42.22 5: /42.16 6:	1: /42.5 2: /42.14 3: /42.19 4: /42.22 5: /42.16 6:

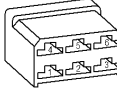
Control unit Heating / Air conditioning

338 -A30X1b	339 -A30X1s
	
1: /42.17 2: /42.14 3: /42.19 4: /42.18 5: /42.16 6:	1: /42.17 2: /42.14 3: /42.19 4: /42.18 5: /42.16 6:

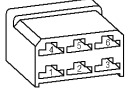
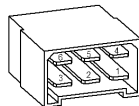
Relay Compressor

340 -A30-K1X1

85: /42.18 86: /42.18 30: /42.17 87: /42.17 87a:

Electric plug Fan motor

341 -A31X1

1: /42.6 2: /42.9 3: /42.10 4: /42.7 5: /42.8 6:

Heating / Air conditioning

342 -X56b	343 -X56s
	
1: /42.8 2: /42.8 3: /42.7 4: /42.6 5: 6:	1: /42.8 2: /42.8 3: /42.7 4: /42.6 5: 6:

Änderung	Datum	Name	Datum	Name
a	03	24.09.2013	gez.	20.04.2004 Landstorfer
b	04	01.10.2018	gepr.	09.07.2012 Schuller
c				
d				



Connector Cabin
Air conditioning Heating

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545

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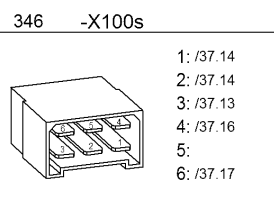
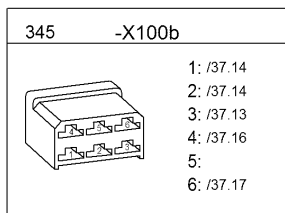
56

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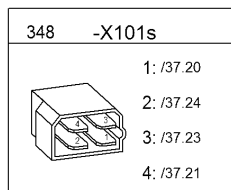
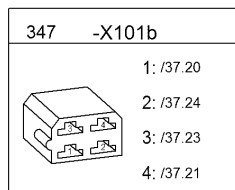
Bl.

Connector Cabin

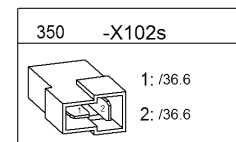
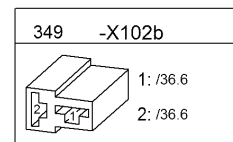
Windshield wiper, front



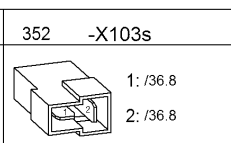
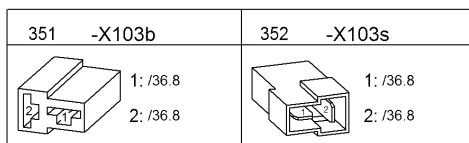
Windshield wiper, rear



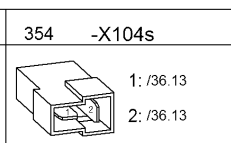
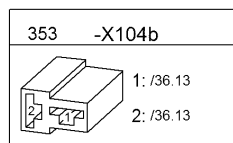
Working spotlights, front left



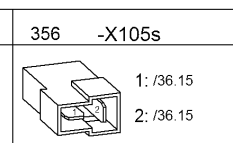
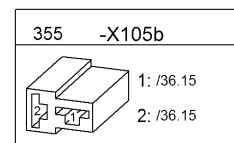
Working spotlights, front right



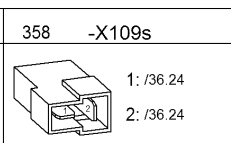
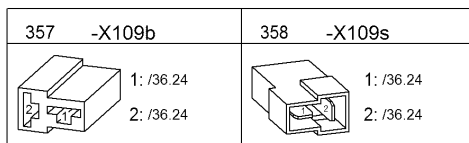
Working spotlights, rear left



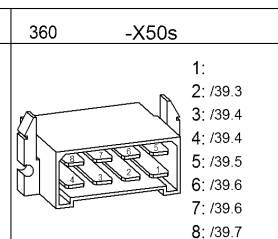
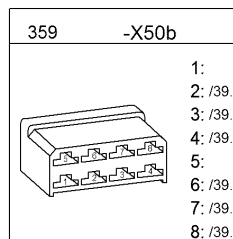
Working spotlights, rear right



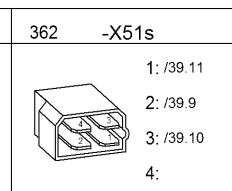
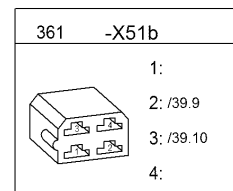
Rotating-beam light



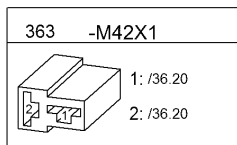
Interface Speedometer mounting



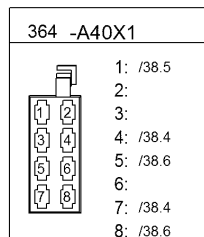
Interface Speedometer mounting



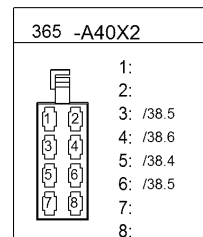
Pump, windshield washer



Radio
Power supply



Radio
Loudspeaker



Vervielfältigung oder Weitergabe nur mit unserer schriftlichen Genehmigung gestattet
Schutzvermerk nach DIN 34 beachten

Änderung	Datum	Name		Datum	Name
a	03	24.09.2013	Lan.	gez.	06.05.2004 Landstorfer
b	04	01.10.2018	Lan.		
c				gepr.	09.07.2012 Schuller
d					



Connector Cabin

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545

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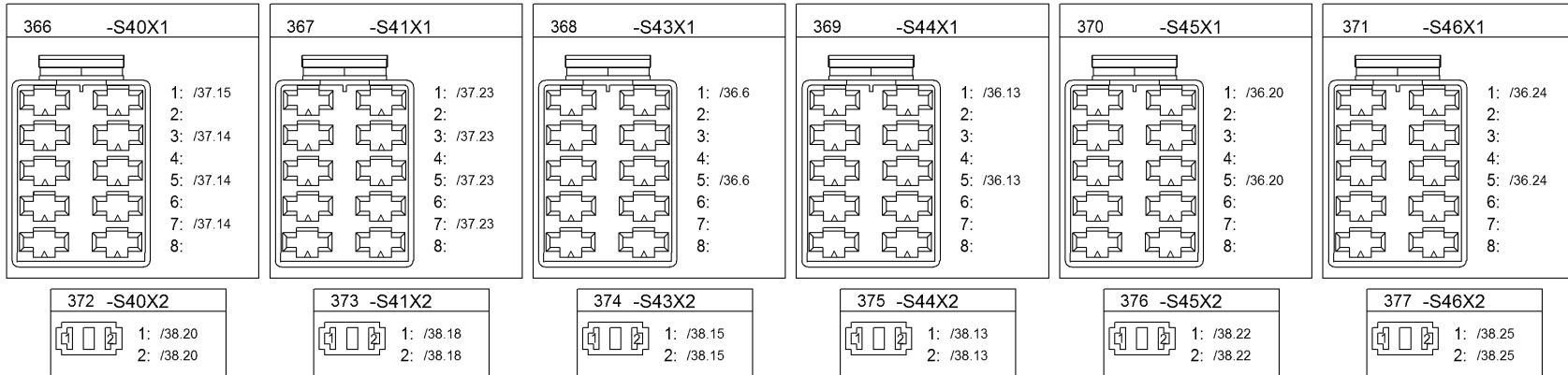
57

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Plotdatum: 01.10.2018

Central plug Cabin



Änderung	Datum	Name		Datum	Name
a	03	24.09.2013	Lan.	gez.	06.05.2004 Landstorfer
b	04	01.10.2018	Lan.	gepr.	09.07.2012 Schuller
c					
d					



Central plug Cabin

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
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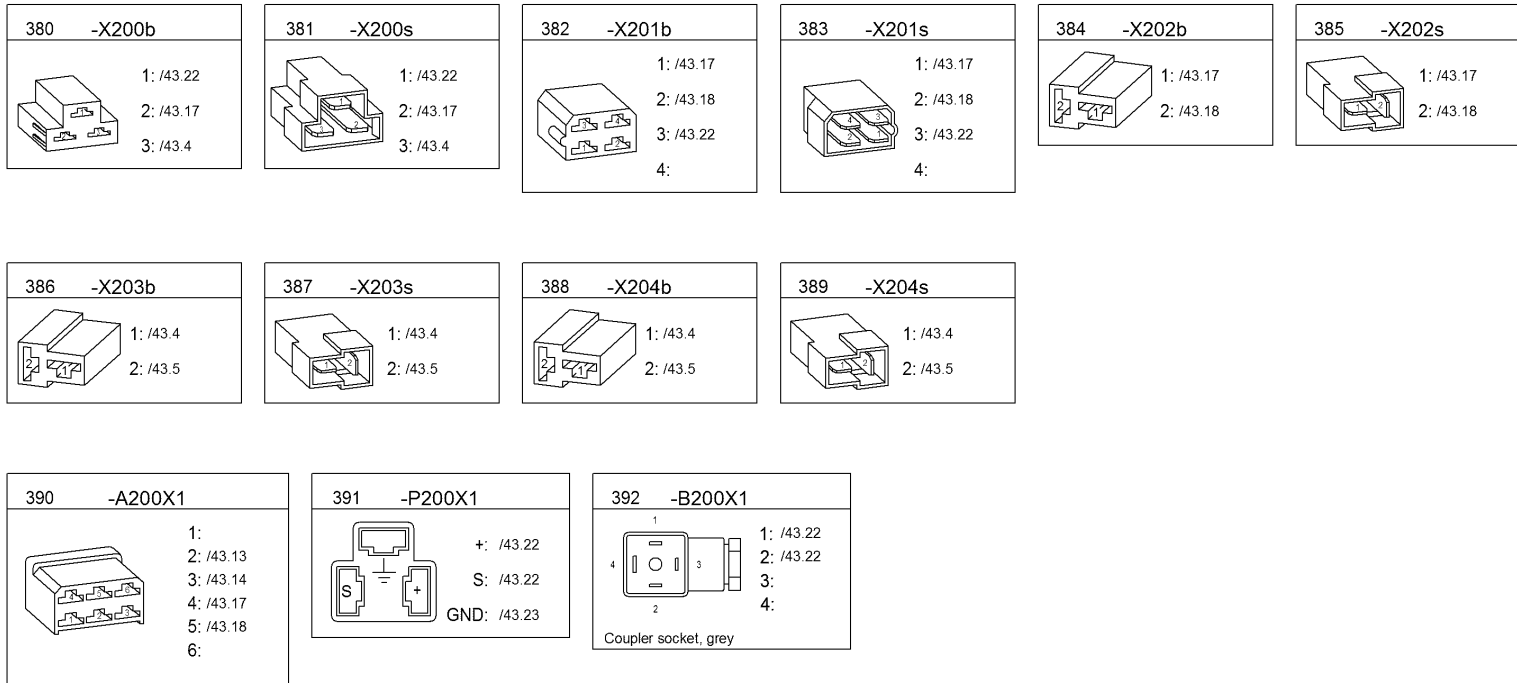
Blatt

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68 Bl.

Plotdatum: 01.10.2018

Water sprinkling unit



Änderung	Datum	Name	Datum	Name
a	03	24.09.2013	gez.	09.02.2007 Landstorfer
b	04	01.10.2018	gepr.	09.07.2012 Schuller
c				
d				



Connector Sprinkling

Projektbez.
 Circuit diagram 3412-3520, TIER3
 Zeichnungsnummer
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Plotdatum: 01.10.2018

Spare parts list					
Pos.	Component	Page	Spare part No.	Description	useable for Machine type
1	XF1	7.5	01293028	Fuse-holder 4-pol.	
2	F01	7.4	01293001	Fuse	
3	F02	7.4	01293001	Fuse	
4	F03	7.4	01293019	Fuse	
5	K16X1	7.20	00880043	Header	
7	F3	8.3	00386197	Blade fuse	
8	F4	8.3	00386197	Blade fuse	
9	F5	8.3	00386197	Blade fuse	
10	F6	8.3	00384046	Blade fuse	
11	F7	8.3	00384046	Blade fuse	
12	F8	8.3	00384046	Blade fuse	
13	F9	8.3	00384046	Blade fuse	
14	F10	8.3	00386197	Blade fuse	
15	F11	8.3	00386197	Blade fuse	
16	F12	8.3	00384054	Blade fuse	
17	F13	8.3	00384054	Blade fuse	
18	F14	8.3	00384070	Blade fuse	
19	F15	8.3	00384046	Blade fuse	
20	F16	8.3	01243705	Blade fuse	
21	F17	8.3	00384046	Blade fuse	
23	F18	9.3	00384046	Blade fuse	
24	F20	9.3	00386197	Blade fuse	
25	F21	9.3	00384046	Blade fuse	
26	F23	9.3	00384054	Blade fuse	
27	F24	9.3	00384054	Blade fuse	
28	F25	9.3	00384046	Blade fuse	
29	F27	9.3	00384062	Blade fuse	
30	F29	9.3	01243705	Blade fuse	
31	F30	9.3	00384054	Blade fuse	
32	F31	9.3	00384070	Blade fuse	
33	F32	9.3	00384062	Blade fuse	
34	F33	9.3	00384054	Blade fuse	
35	F34	9.3	01243705	Blade fuse	
37	A3	10.5	02038472	Central electric	
38	XF3	12.3	00880957	Fuse box 6-pol.	
39	A1	13.2	02068669	Instrument panel	
40	D1	16.9	02051927	Control deviceDiesel engine	
41	D1X1	16.2	02054219	Central plug	
42	D1X2	16.15	02054218	Central plug	
44	M1	17.2	02043678	Starting motor	
45	S1	17.9	00394319	Battery switch	
46	G1	17.9	00207330	Battery	
47	G2	17.13	01294768	Alternator	
49	S2	18.11	00380296	Ignition switch	
49	S2	18.11	00367125	Ignition key	
50	K15	18.11	01289829	Relay	
51	K16	18.17	02035291	Relay	
53	S7	19.3	01238795	Push button switch	
53	S7	19.3	01240447	Switch	
54	Y8	19.11	01238817	Switch	
55	Y5	19.16	01237640	Solenoid	
56	K10	19.19	01237640	Solenoid	
57	K13	19.21	01263986	Relay	
58	S12	19.24	01263986	Relay	
59	K1	20.3	01301020	Pressure switch, parking brake	
62	K17	23.3	00331686	Relay	
			01289829	Relay	
64	E01	23.9	01224603	Heater plug	
64	E02	23.10	01224603	Heater plug	
64	E03	23.12	01224603	Heater plug	
64	E04	23.12	01224603	Heater plug	
64	E05	23.4	01224603	Heater plug	
64	E06	23.5	01224603	Heater plug	
65	B43	23.7	01224603	Heater plug	
65	B48	23.23	02062293	Temperature sensor	
67	B6	24.3	02073575	Sensor Pressure , Temperature	
68	B49	24.13	02062291	Pressure sensor	
69	B51	24.20	02073579	Pressure sensor	
72	B40.1	25.3	02062291	Pressure sensor	
73	B40.2	25.11	02062292	Speed sensor	
74		25.18	02073584	Speed sensor	

Änderung	Datum	Name	Datum	Name
a	03	24.09.2013	gez.	14.05.2008 Landstorfer
b	04	01.10.2018	gepr.	09.07.2012 Schuller
c				
d				



Spare parts list

Projektbez.
Circuit diagram 3412-3520, TIER3
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Spare parts list					
Pos.	Component	Page	Spare part No.	Description	useable for Machine type
76	Y19	26.3	02073573	FCU Valve	
77	Y15.1	26.9	02075175	Injection nozzle	
77	Y15.2	26.21	02075175	Injection nozzle	
77	Y15.3	26.13	02075175	Injection nozzle	
77	Y15.4	26.23	02075175	Injection nozzle	
77	Y15.5	26.11	02075175	Injection nozzle	
77	Y15.6	26.19	02075175	Injection nozzle	
79	X4.	27.3	00207705	Built-in socket	
80	H2	27.5	01220314	Signal transmitter	
81	S16	27.9	01276689	Filter indicator , electrical	
82	B8	27.12	01217429	Temperature sensor	
83	B12	27.16	00892947	Sensor	
84	S17	27.22	00233366	Pressure switch	
86	B2	28.5	02042994	Potentiometer Speed adjustment	
87	B11	28.21	02065058	Filter body	
89	B1	29.3	00886092	Level transmitter Fuel tank	
90	D60	29.8	00898813	Control device	
91	K4	29.11	01263986	Relay	
92	S60	29.13	00390232	Push button switch	
93	M60	29.15	01243438	Pump	
94	K2	29.18	01263986	Relay	
95	E70	29.22	01292439	Heating , Fuel filter	
97	B4	30.13	00881899	Speed sensor	
98	A4	30.19	00865168	Signal Amplifier	
99	B3	30.19	00865222	Sensor	
100	K6	31.6	01263986	Relay	
101	B5	31.7	02277952	Proximity switch	
102	B7	31.9	00874698	Wire harness with Proximity switch	
102	B7	31.9	00362980	Proximity switch	
103	B9	31.12	00874698	Wire harness with Proximity switch	
103	B9	31.12	00362980	Proximity switch	only with Blade without Edge pressing assembly , Blade only with Blade without Edge pressing assembly , Blade
104	K7	31.10	01263986	Relay	
105	A6	31.15	00806463	MFG electronic system	
105	A6	31.15	00806447	MFG electronic system	
106	A7	31.20	00806463	MFG electronic system	
106	A7	31.20	00806447	MFG electronic system	
107	H3	32.5	00840696	Back-up alarm	
108	K9	32.14	01263986	Relay	
109	K8	32.19	01263986	Relay	
110	Y10	32.15	01227637	Solenoid	
111	Y11	32.18	01201409	Solenoid	
112	Y12	32.20	01227637	Solenoid	
113	Y13	32.23	01201409	Solenoid	
115	S5	33.6	01264524	Alarm system switch	
116	K3	33.5	00282618	Flasher relay	
117	S4	33.21	00869392	Steering column switch	
117	S4	33.11	00869392	Steering column switch	
118	K5	33.21	01263986	Relay	
120	E1	34.5	01277499	Halogen lamp	
121	E9	34.7	00283150	Lamp	
122	E3	34.8	00209635	Lamp	
123	E7	34.10	02029166	LED Side lamp left	
124	E5	34.12	00283142	Lamp	
125	E10	34.14	00283150	Lamp	
126	E2	34.16	01277499	Halogen lamp	
127	E11	34.18	00283150	Lamp	
128	E4	34.20	00209635	Lamp	
129	E8	34.21	02029266	LED Side lamp right	
130	E6	34.24	00283142	Lamp	
131	E12	34.25	00283150	Lamp	
133	V6	35.2	00821136	Diode	
134	H1	35.3	00207365	Signal horn	
135	S3	35.3	01267671	Push button switch	
135	S3	35.3	01267752	Rocker	
136	S8	35.7	01268686	Switch	
136	S8	35.7	01267744	Rocker	
137	S10	35.13	01268678	Switch	
137	S10	35.13	01497774	Rocker	
138	S13	35.18	01268686	Switch	
138	S13	35.18	01497766	Rocker	
139	S11	35.25	01268678	Switch	

Änderung	Datum	Name		Datum	Name
a	03	24.09.2013	Lan.	gez.	14.05.2008 Landstorfer
b	04	01.10.2018	Lan.	gepr.	09.07.2012 Schuller
c					
d					



Spare parts list

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Pos.	Component	Page	Spare part No.	Description	useable for Machine type
139	S11	35.25	01497804	Rocker	
144	D2	35.16	01706217	Relay	
146	3F3	36.7	00384070	Blade fuse	
147	S43	36.7	01272241	Switch Working spotlights	
147	S43	36.7	01249215	Symbol, working spotlights front	
148	S44	36.14	01272241	Switch Working spotlights	
148	S44	36.14	01249223	Symbol, working spotlights rear	
149	3F4	36.21	00384062	Blade fuse	
150	S45	36.21	01272217	Push button switch Windshield washer	
150	S45	36.21	01272225	Symbol, windshield washer	
151	S46	36.24	01240773	Switch	
151	S46	36.24	01272233	Symbol Rotating-beam light	
152	E40	36.6	00366528	Halogen lamp	
153	E41	36.8	00366528	Halogen lamp	
154	E42	36.14	00366528	Halogen lamp	
155	E43	36.16	00366528	Halogen lamp	
156	M42	36.21	01272195	Windshield washer	
157	H40	36.24	00342505	Rotating-beam light	
157	H40	36.24	00355283	Lamp	
159	3F2	37.8	00384054	Blade fuse	
160	3F5	37.15	00384062	Blade fuse	
161	E44	37.7	00283142	Lamp	
161	E44	37.7	00283142	Lamp	
162	S40	37.14	01240773	Switch	
162	S40	37.14	01240781	Symbol, wiper front	
163	S41	37.24	01240803	Switch Windshield wiper, rear	
163	S41	37.24	01240811	Symbol, wiper rear	
164	S47	37.8	01240854	Door contact switch	
165	S48	37.10	01240854	Door contact switch	
166	M40	37.13	01270036	Windscreen wiper motor	
167	M41	37.21	01270044	Windscreen wiper motor	
170	A40	38.4	02031076	Radio	
171	W1	38.9	00384836	Antenna	
172	3F6	38.6	00384054	Blade fuse	
173	3F1	38.14	00384054	Blade fuse	
174	S44	38.14	01272284	Lamp	
174	S44	38.14	01272268	Header	
175	S43	38.16	01272284	Lamp	
175	S43	38.16	01272268	Header	
176	S41	38.18	01272284	Lamp	
176	S41	38.18	01272268	Header	
177	S40	38.21	01272284	Lamp	
177	S40	38.21	01272268	Header	
178	S45	38.23	01272284	Lamp	
178	S45	38.23	01272268	Header	
179	S46	38.25	01272284	Lamp	
179	S46	38.25	01272268	Header	
180	B40	38.10	01236849	Loudspeaker	
181	B41	38.10	01236849	Loudspeaker	
183	A9	39.11	00850063	Interface Speedometer	
184	P1	39.16	00891061	EC - Tachograph	3410-3414
184	P1	39.16	00891088	EC - Speedometer	3516-3625
185	A8	40.2	02024303	Compactometer HCM-3	3412-3414
185	A8	40.2	02024317	Compactometer HCM-3	3516-3625
186	B10	40.3	02025018	Acceleration sensor	
187	A10	40.13	02038452	Interface HCM-3	3205-3625
188	A11	41.18	00466905	Display CDS	
190	A30	42.8	01261150	Control unit	
191	A30-S3	42.15	01270834	Thermostat	
192	A30-K1	42.19	00331686	Relay	
193	A31	42.6	01284118	Blower	
194	S49	42.15	01278304	Pressure switch	
195	Y30	42.17	01270850	Compressor	
200	S200	43.4	01267671	Push button switch	
200	S200	43.4	01267752	Rocker	
201	S201	43.9	01267671	Push button switch	
201	S201	43.9	01267752	Rocker	
202	A200	43.12	00843008	Interval switch	
203	P200	43.22	00382515	Water level indicator	
204	B200	43.23	00871133	Level transmitter, water	

Spare parts list					
Pos.	Component	Page	Spare part No.	Description	useable for Machine type
205	M201	43.5	00851124	Water pump	
206	M202	43.18	00877131	Water pump	
207	D61-H1	43.25	00231746	Tubular lamp	
210	X1	47.1	00898872	Connector	
211	X2	47.8	00898872	Connector	
212	X3	47.16	00898872	Connector	
213	X4	47.23	00898570	Connector	
214	X5	47.1	00898872	Connector	
215	X6	47.9	00898872	Connector	
216	X7	47.16	00898678	Connector	
220	X8	48.1	00898384	Connector	
221	X9	48.8	00898678	Connector	
222	X10	48.13	00898775	Connector	
223	X11	48.20	00898376	Connector	
224	X12	48.23	00898376	Connector	
225	X13	48.1	00898570	Connector	
226	X26	48.10	00898473	Connector	
227	X17	48.14	02031349	Connector	
228	K15X1	48.14	00892823	Connector 2-pol.	
229	X21	48.5	00898570	Connector	
230	X16	48.19	00898376	Connector	
231	D60X1	48.22	00880124	Connection plug, 8-pole	
232	X19	49.2	00898775	Connector	
233	X27	49.9	00898678	Connector	
234	XD2	49.14	00898473	Connector	
235	A8X1	50.2	00351970	Electric plug	
236	A8X2	50.8	00350680	Electric plug	
237	A8X4	50.13	00351962	Electric plug	
238	A8X6	50.19	02014722	Female cable connector	
239	X52b	50.2	00369683	Round connector 7-pol.	
240	X52s	50.8	00369691	Electric plug	
241	A8X5	50.13	00369691	Electric plug	
242	M1X1s	51.4	02039764	Connector male	
243	M1X1b	51.12	02052010	Connector male	
244	B6X1	51.1	02040578	Connector	
245	B11X1	51.6	02071870	Electric plug	
246	B40.1X1	51.10	00892130	Electric plug	
247	B40.2X1	51.14	00892130	Electric plug	
248	B43X1	51.19	00880698	Electric plug 2-pol.	
249	K17X1	51.23	00892823	Connector 2-pol.	
250	B48X1	51.1	02040579	Connector	
251	B49X1	51.6	02040578	Connector	
252	B51X1	51.11	02040580	Circular connector	
253	Y19X1	51.15	00880698	Electric plug 2-pol.	
255	X34b	51.23	00880116	Connection plug, 2-pole	
260	Y1X1	52.1	00272116	Coupler socket	
260	Y1X1	52.1	00284351	Diode	
261	Y2X1	52.6	00392839	Coupler socket	
261	Y2X1	52.6	00284351	Diode	
262	Y3X1	52.10	00272116	Coupler socket	
262	Y3X1	52.10	00284351	Diode	
263	Y5X1	52.15	00272116	Coupler socket	
263	Y5X1	52.15	00284351	Diode	
264	Y8X1	52.20	00272116	Coupler socket	
264	Y8X1	52.20	00284351	Diode	
265	B1X1	52.1	00880744	Connector 4-pol.	
266	B4X1	52.6	00880744	Connector 4-pol.	
267	S16X1	52.10	01269372	Coupler socket 3-pol.	
268	S17X1	52.15	00880647	Central plug	
269	X35b	52.20	00880310	Connection plug, 3-pole	
270	X35s	52.23	00880213	Fishing box, 3-pole	
271	S12X1	52.1	01301543	Plug	
272	X38b	52.6	00880116	Connection plug, 2-pole	
273	X38s	52.9	00880310	Connection plug, 3-pole	
274	X36b	52.13	00880515	Connection plug, 4-pole	
275	X36s	52.16	00880418	Fishing box, 4-pole	
276	X37b	52.20	00880515	Connection plug, 4-pole	
277	X37s	52.23	00880418	Fishing box, 4-pole	
278	X70b	52.1	00880116	Connection plug, 2-pole	
279	S60X1	52.9	00880531	Electric plug 7-pol.	
280	X60b	52.14	00880116	Connection plug, 2-pole	

Änderung	Datum	Name		Datum	Name
a	03	24.09.2013	Lan.	gez.	14.05.2008 Landstorfer
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281	X60s	52.17	00880019	Fishing box, 2-pole	
282	S49X1	52.22	00880442	Electric plug	
283	X70s	52.5	00880019	Fishing box, 2-pole	
285	X32b	53.2	00880515	Connection plug, 4-pole	
286	X32s	53.5	00880418	Fishing box, 4-pole	
287	X23	53.9	00880817	Connection plug, 6-pole	
288	X29b	53.14	00880515	Connection plug, 4-pole	
289	X29s	53.18	00880418	Fishing box, 4-pole	
290	X22	53.21	00880817	Connection plug, 6-pole	
291	V6X1	53.2	00880116	Connection plug, 2-pole	
292	Y4X1	53.6	00272116	Coupler socket	
292	Y4X1	53.6	00284351	Diode	
293	Y10X1	53.4	00272116	Coupler socket	
293	Y10X1	53.4	00284351	Diode	
294	Y11X1	53.9	00392839	Coupler socket	
294	Y11X1	53.9	00284351	Diode	
295	Y12X1	53.14	00392839	Coupler socket	
295	Y12X1	53.14	00284351	Diode	
296	Y13X1	53.20	00272116	Coupler socket	
296	Y13X1	53.20	00284351	Diode	
300	A1X1	54.2	00880450	Central plug 18-pol.	
301	A1X2	54.10	00880353	Central plug 14-pol.	
302	S2X1	54.19	00880337	Electric plug 4-pol.	
303	S2X2	54.22	00880434	Electric plug 6-pol.	
304	H2X1	54.2	00880310	Connection plug, 3-pole	
305	X27b	54.7	00880213	Fishing box, 3-pole	
306	X28s	54.13	00880035	Connector 8-pol.	
307	X28b	54.16	00880523	Connector 8-pol.	
308	S5X1	54.22	00880159	Central plug 10-pol.	
309	S3X1	54.2	00880051	Central plug 10-pol.	
310	S8X1	54.7	00880051	Central plug 10-pol.	
311	S10X1	54.12	00880051	Central plug 10-pol.	
312	S11X1	54.17	00880051	Central plug 10-pol.	
313	S13X1	54.2	00880051	Central plug 10-pol.	
315	X42b	55.3	00880620	Connector 12-pol.	
316	X42s	55.6	00880132	Connector 12-pol.	
317	X43b	55.10	00880620	Connector 12-pol.	
318	X43s	55.14	00880132	Connector 12-pol.	
319	X44b	55.3	00880620	Connector 12-pol.	
320	X44s	55.6	00880132	Connector 12-pol.	
321	X45b	55.10	00880523	Connector 8-pol.	
322	X45s	55.14	00880035	Connector 8-pol.	
323	X46b	55.18	00880817	Connection plug, 6-pole	
324	X46s	55.22	00880612	Fishing box, 6-pole	
325	X47b	55.3	00880426	Connector 4-pol.	
326	X47s	55.6	00880922	Connector 4-pol.	
327	X48b	55.10	00880426	Connector 4-pol.	
328	X48s	55.14	00880922	Connector 4-pol.	
330	X39b	56.1	00880655	Connector 2-pol.	
331	X39s	56.4	00880558	Connector 2-pol.	
332	X40b	56.8	00880124	Connection plug, 8-pole	
333	X40s	56.12	00880914	Fishing box, 8-pole	
334	X53b	56.16	00369683	Round connector 7-pol.	
335	X53s	56.22	00369691	Electric plug	
336	X41b	56.1	00880817	Connection plug, 6-pole	
337	X41s	56.5	00880612	Fishing box, 6-pole	
338	A30X1b	56.9	00880817	Connection plug, 6-pole	
339	A30X1s	56.13	00880612	Fishing box, 6-pole	
340	A30-K1X1	56.18	00880930	Header	
341	A31X1	56.1	00880817	Connection plug, 6-pole	
342	X56b	56.6	00880817	Connection plug, 6-pole	
343	X56s	56.10	00880612	Fishing box, 6-pole	
345	X100b	57.7	00880817	Connection plug, 6-pole	
346	X100s	57.6	00880612	Fishing box, 6-pole	
347	X101b	57.10	00880515	Connection plug, 4-pole	
348	X101s	57.14	00880418	Fishing box, 4-pole	
349	X102b	57.18	00880116	Connection plug, 2-pole	
350	X102s	57.21	00880019	Fishing box, 2-pole	
351	X103b	57.2	00880116	Connection plug, 2-pole	
352	X103s	57.5	00880019	Fishing box, 2-pole	

Spare parts list					
Pos.	Component	Page	Spare part No.	Description	useable for Machine type
353	X104b	57.9	00880116	Connection plug, 2-pole	
354	X104s	57.12	00880019	Fishing box, 2-pole	
355	X105b	57.16	00880116	Connection plug, 2-pole	
356	X105s	57.20	00880019	Fishing box, 2-pole	
357	X109b	57.2	00880116	Connection plug, 2-pole	
358	X109s	57.5	00880019	Fishing box, 2-pole	
359	X50b	57.9	00880124	Connection plug, 8-pole	
360	X50s	57.13	00880914	Fishing box, 8-pole	
361	X51b	57.18	00880515	Connection plug, 4-pole	
362	X51s	57.21	00880418	Fishing box, 4-pole	
363	M42X1	57.2	00880116	Connection plug, 2-pole	
364	A40X1	57.9	02041142	Central plug	
365	A40X2	57.14	02041143	Central plug	
366	S40X1	58.2	00880752	Central plug 10-pol.	
367	S41X1	58.6	00880752	Central plug 10-pol.	
368	S43X1	58.10	00880752	Central plug 10-pol.	
369	S44X1	58.14	00880752	Central plug 10-pol.	
370	S45X1	58.18	00880752	Central plug 10-pol.	
371	S46X1	58.22	00880752	Central plug 10-pol.	
372	S40X2	58.2	00880361	Central plug 2-pol.	
373	S41X2	58.6	00880361	Central plug 2-pol.	
374	S43X2	58.10	00880361	Central plug 2-pol.	
375	S44X2	58.14	00880361	Central plug 2-pol.	
376	S45X2	58.18	00880361	Central plug 2-pol.	
377	S46X2	58.22	00880361	Central plug 2-pol.	
380	X200b	59.2	00880310	Connection plug, 3-pole	
381	X200s	59.5	00880213	Fishing box, 3-pole	
382	X201b	59.9	00880515	Connection plug, 4-pole	
383	X201s	59.13	00880418	Fishing box, 4-pole	
384	X202b	59.16	00880116	Connection plug, 2-pole	
385	X202s	59.20	00880019	Fishing box, 2-pole	
386	X203b	59.2	00880116	Connection plug, 2-pole	
387	X203s	59.5	00880019	Fishing box, 2-pole	
388	X204b	59.9	00880116	Connection plug, 2-pole	
389	X204s	59.13	00880019	Fishing box, 2-pole	
390	A200X1	59.2	00880817	Connection plug, 6-pole	
391	P200X1	59.6	00898465	Central plug	
392	B200X1	59.10	00392839	Coupler socket	
400	-F29	100.3	01243705	Blade fuse	
401	-5F1	100.9	00384062	Blade fuse	
402	-5F2	100.16	00384054	Blade fuse	
403	-S46	100.9	00347701	Push button switch	
404	-S44	100.13	00337889	Push button switch	
404	-S44	100.13	00385395	Pushbutton	
405	-S43	100.16	00337889	Push button switch	
405	-S43	100.16	00385387	Pushbutton	
406	-H40	100.9	00355283	Lamp	
406	-H40	100.9	00342505	Rotating-beam light	
407	-E42	100.13	01272209	Working spotlights	
407	-E42	100.13	00366528	Halogen lamp	
408	-E43	100.14	01272209	Working spotlights	
408	-E43	100.14	00366528	Halogen lamp	
409	-E40	100.16	01272209	Working spotlights	
409	-E40	100.16	00366528	Halogen lamp	
410	-E41	100.18	01272209	Working spotlights	
410	-E41	100.18	00366528	Halogen lamp	
411	-X39b	101.1	00880655	Connector 2-pol.	
412	-X39s	101.5	00880558	Connector 2-pol.	
413	-X102b	101.9	00880515	Connection plug, 4-pole	
414	-X102s	101.12	00880418	Fishing box, 4-pole	
415	-X103b	101.16	00880515	Connection plug, 4-pole	
416	-X103s	101.20	00880418	Fishing box, 4-pole	
417	-XF5	101.9	00898651	Fuse box	
418	-X109b	101.9	00880116	Connection plug, 2-pole	
419	-X109s	101.12	00880019	Fishing box, 2-pole	
420	-X40b	101.16	00880124	Connection plug, 8-pole	
421	-X40s	101.20	00880914	Fishing box, 8-pole	
422	-S43X1	101.1	00880531	Electric plug 7-pol.	
423	-S44X1	101.6	00880531	Electric plug 7-pol.	
424	-S46X1	101.10	00880531	Electric plug 7-pol.	
425	-E40X1	101.1	00892815	Electric plug	

Änderung	Datum	Name		Datum	Name
a	03	24.09.2013	gez.	14.05.2008	Landstorfer
b	04	01.10.2018			
c			gepr.	09.07.2012	Schuller
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Pos.	Component	Page	Spare part No.	Description	useable for Machine type
426	-E41X1	101.5	00892815	Electric plug	
427	-E42X1	101.8	00892815	Electric plug	
428	-E43X1	101.11	00892815	Electric plug	
430	K100X1	10.21	00898767	Relay base	
431	K100	18.14	01263986	Relay	

	Aenderung	Datum	Name		Datum	Name
a	03	24.09.2013	Lan.	gez.	14.05.2008	Landstorfer
b	04	01.10.2018	Lan.	gepr.	09.07.2012	Schuller
c						
d						



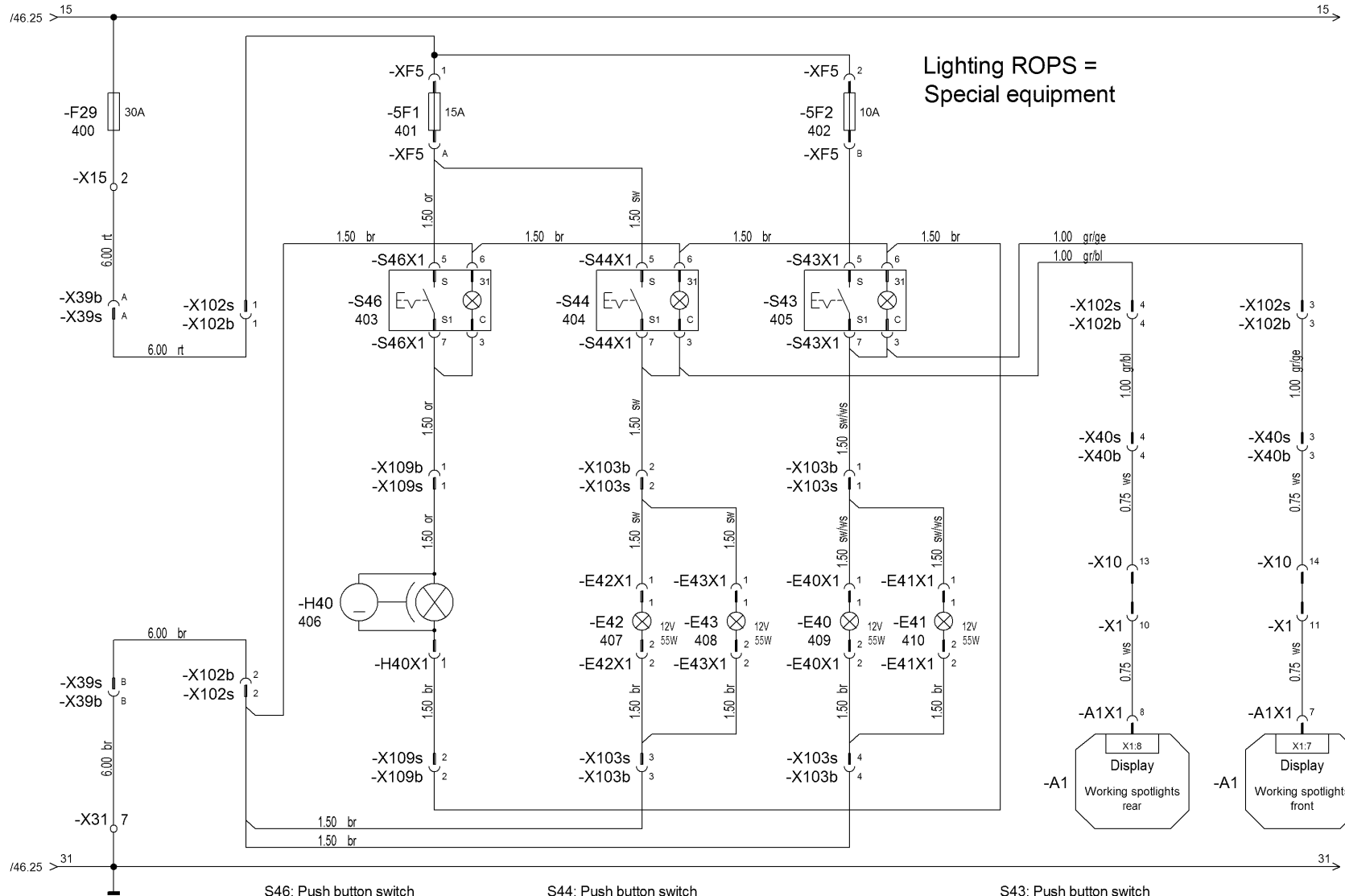
Spare parts list

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Plotdatum: 01.10.2018



S46: Push button switch
Rotating-beam light

H40: Rotating-beam light

S44: Push button switch
Working spotlights, rear

E42: Working spotlights, rear left
E43: Working spotlights, rear right

S43: Push button switch
Working spotlights, front

E40: Working spotlights, front left
E41: Working spotlights, front right

Änderung	Datum	Name	Datum	Name
a	03	24.09.2013	gez.	12.02.2007 Landstorfer
b	04	01.10.2018	gepr.	09.07.2012 Schuller
c				
d				



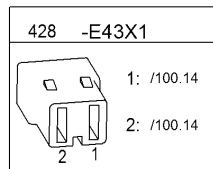
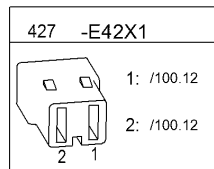
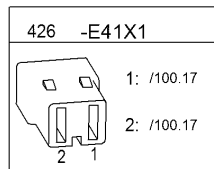
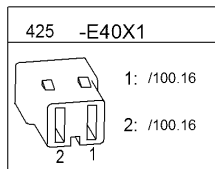
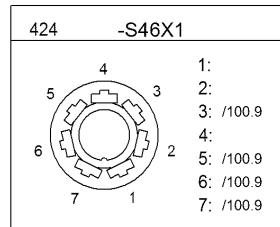
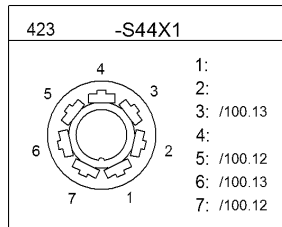
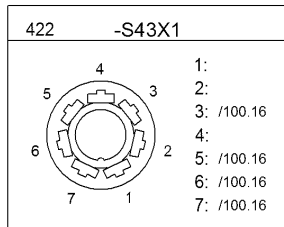
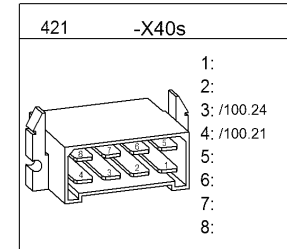
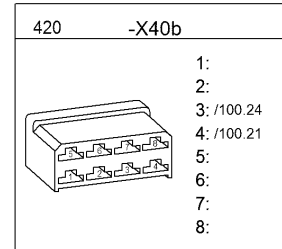
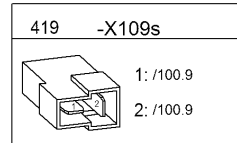
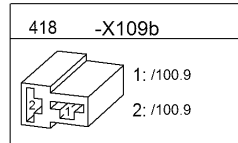
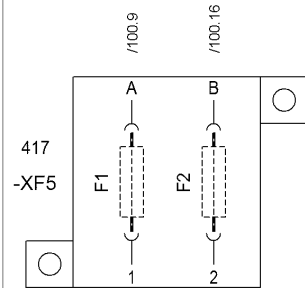
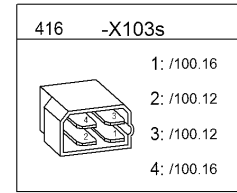
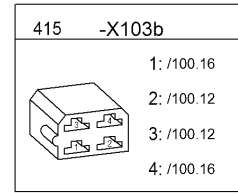
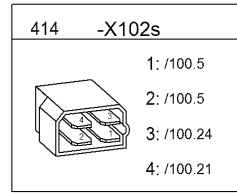
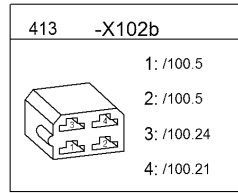
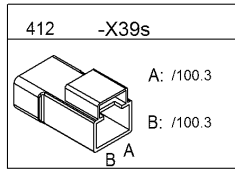
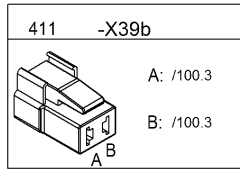
Version
Lighting ROPS

Projektbez.
Circuit diagram 3412-3520, TIER3
Zeichnungsnummer
02069545
Rev.
04
=SE

Blatt
100
68 Bl.

Plotdatum: 01.10.2018

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26



Änderung	Datum	Name	gepr.	Datum	Name
a	03	24.09.2013	Lan.	19.02.2007	Landstorfer
b	04	01.10.2018	Lan.	09.07.2012	Schuller
c					
d					



**Lighting ROPS
Connector**

Projektbez.
Circuit diagram 3412-3520, TIER3
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