



*Power
wherever
you are*™

wiring diagram for:

DC AGT 6-11 / 8-19i with fpControl PMS PV 12VStart

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project number:

drawing number: 072447_01_00

date: 05.03.20

drawer: FFR

checked: TBR

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General notes on the wiring diagram

system indication:

=cabinet

=GEN (generator)

+E (engine)

+WD (winding)

6	7	8	9
Fischer Panda Generatoren		=GE 2	
Project number:	Drawing number:	page 2 of 2 Bl.	

component name:

A = Multifunctional
B = Dissipation signals
C = Capacitors
F = Protective device
G = Winding/battery
K = Signal handling /relay
M = Motor/pump/ventilator
P = Illustration information
Q = Power contactor
R = Diode/resistor
S = Switches
T = Energy dissipation
X = Connectors/clamps
Y = Valves

legend:

external components -----
lines -----
lines n=optional -----

color code:

BK = black
BN = brown
RD = red
OR = orange
YE = yellow
GN = green
VT = violet
GY = grey
WH = white
PK = pink
BU = blue
LB = light blue
DB = dark blue

Cross reference:

line name 5.8 further on page 5 path 8

6	7	8	9
Fischer Panda Generatoren			
Project number:	Drawing number:	page 2 of 2 Bl.	

Componentdesignation:

example: 11K1 component on page 11 path 1

11.1

page component path

NO = normally open

NC = normally closed

color definition:

application:

remark:

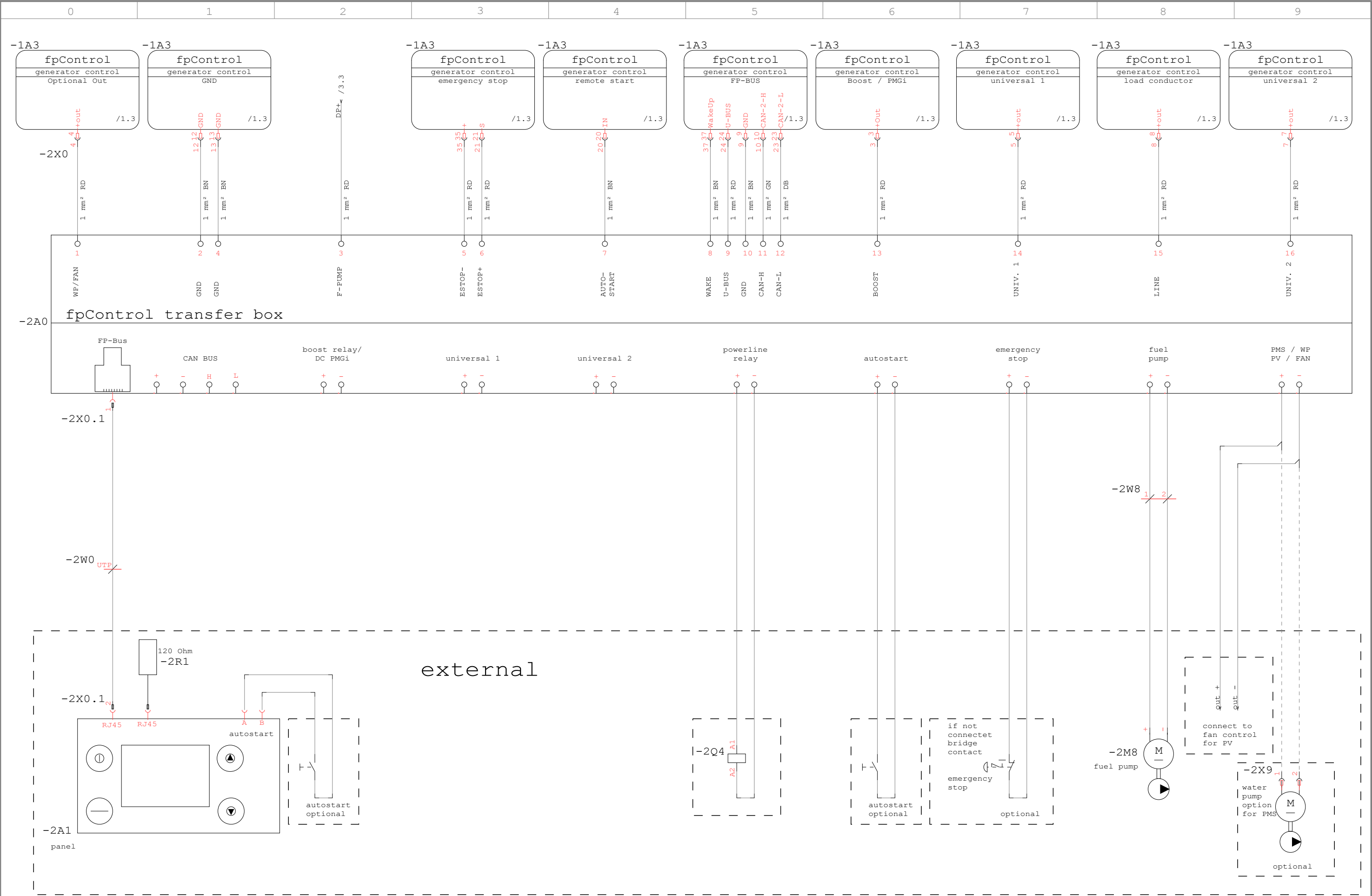
valid from: 01/2019

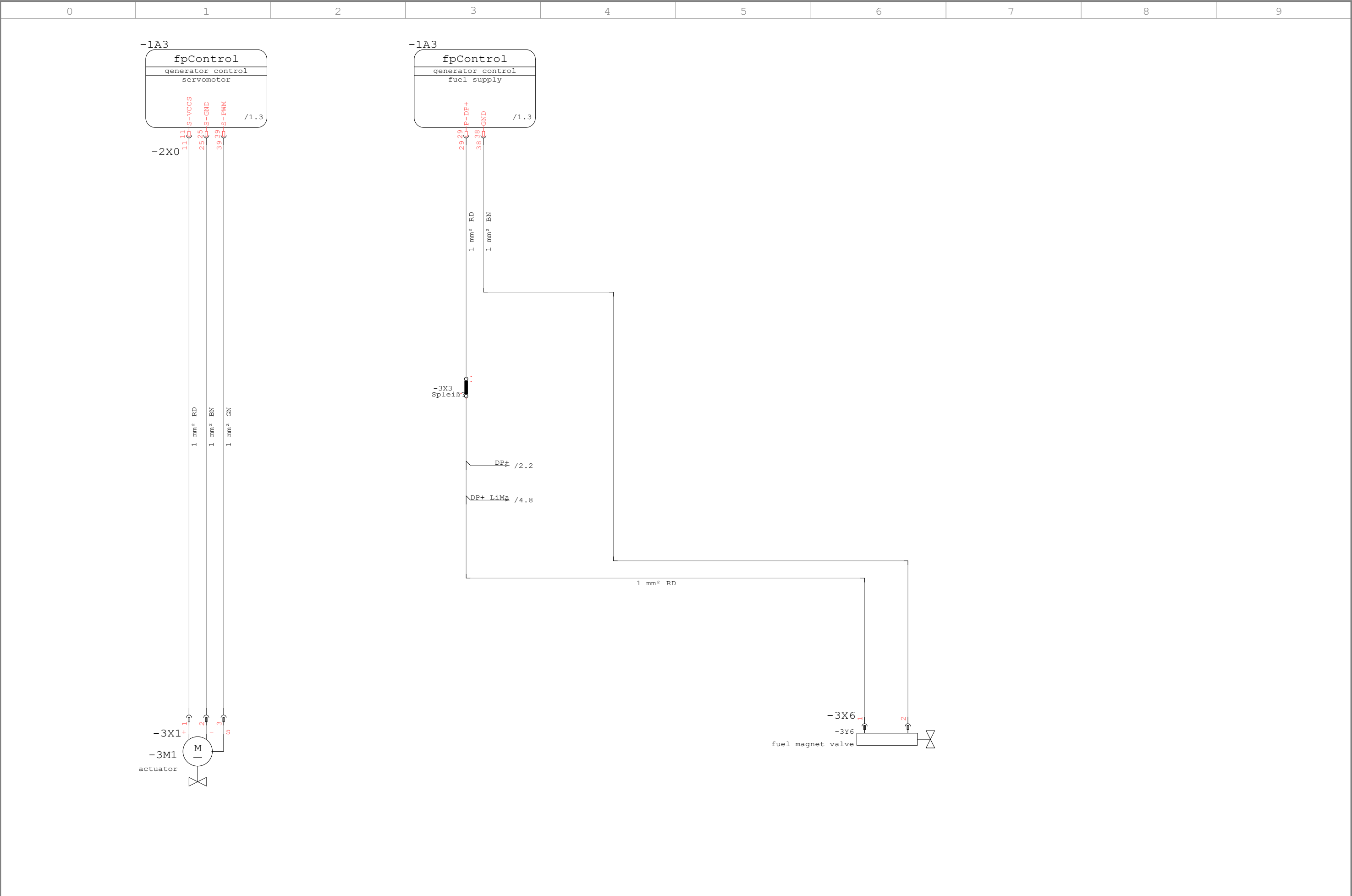
green/yellow	protective earth according to VDE 0100-200	
black	main circuit for AC- and converter circuits, DC power with clear identification	also AC metering voltage, starter battery
light blue	neutral conductor from main circuit	also AC metering voltage
dark blue	bus signals	CAN L, RS232-TX
red	control circuit for DC 0-12V	+5V Servo, 12V batterysystem
grey	control circuit for DC 24V	24V batterysystem
white	control circuit for DC 48V	48V batterysystem
orange	control circuit for DC >60V	HV batterysystem
brown	control circuit for DC GND	for 12V, 24V, 48V and >60V
violet	analogue measuring circuit	e.g. VDO, current transformer temp sensors
yellow	pull coil	stop solenoid ETR
green	extra voltage / bus signals	e.g. PWM-signal, CAN H, RS232-RX

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-1A3

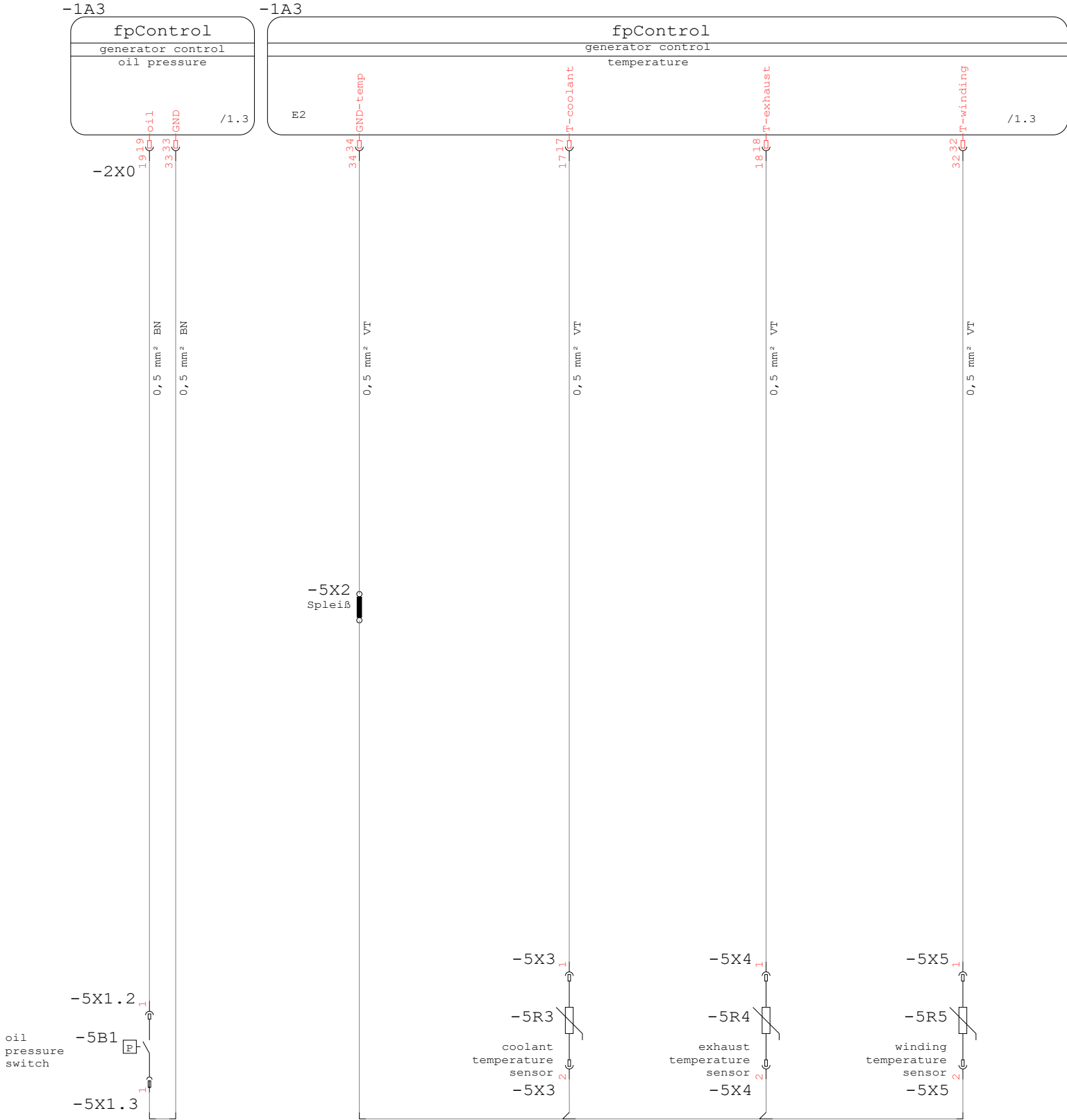
fpControl			
generator control			
14	+UBatt	/4.2	DC-Supply
28	+UBatt		
42	GND	/4.3	DC-Supply
34	GND-temp	/5.2	temperature
17	T-coolant		
18	T-exhaust		
32	T-winding		
29	P-DP+	/3.3	fuel supply
38	GND		
19	oil	/5.1	oil pressure
33	GND		
1	P-glow	/4.5	glowing
11	S-VCCS	/3.1	servomotor
25	S-GND		
39	S-PWM		
6	fp+		flame plug
27	pickup		pick up
22	CAN-1-H		CAN 1
36	CAN-1-L		
26	PWM		PWM-Out-1
40	PWM		PWM-Out-2
41	PWM		PWM-Out-3
15	+out	/4.4	starter motor
37	WakeUp	/2.5	FP-BUS
24	U-BUS		
9	GND		
10	CAN-2-H		
23	CAN-2-L		
3	+Out	/2.5	Boost / PMGi
5	+out	/2.6	universal 1
7	+out	/2.8	universal 2
8	+out	/2.8	load conductor
20	IN	/2.3	remote start
35	+	/2.3	emergency stop
21	S		
2	t-spare 1		temperature
30	t-spare 2		
16	t-spare 3		
31	t-spare 4		
4	+out	/2.0	Optional Out
12	GND	/2.1	GND
13	GND		





				date	05.03.20	DC AGT 6-11 / 8-19i with fpControl PMS PV 12Vstart			Fischer Panda GmbH		Fischer Panda Generatoren		=	
				drawer	FFR				Otto-Hahn-Str. 40		project number:		+	
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list of materials						page 1
Nr.	BMK	qty.	Fischer Panda article number	description		
1	-1A3	1	0029554	Panda fpControl GC-S		/1.3
	-1A3	1	0029434	Dichtung für 42pol Stiftgehäuse		/1.3
2	-2A0	1	0028792	Übergabebbox fpControl // FP1801		/2.0
3	-2A1	1	0029338	Fernbedienpanel fpControl CP-G		/2.0
4	-2M8	1	36.03.03.005H	Kraftstoffpumpe Pierburg 12V Typ 51		/2.8
5	-2R1	1	0003022	Abschlusswiderstand in Farbe Rot RAL3000		/2.1
6	-2W0	1	34.02.02.131H	Patch Kabel/ Cat5E UTP Kabel, RJ45 8P8C, 15.0m, RAL3000 mit FP Logo		/2.0
7	-2W8	1	0004685	Kraftstoffpumpenkabel Typ 08 (xControl)		/2.8
8	-2X0	1	0029432	Buchsengehäuse 42pol TE Micro Power 2		/2.6
	-2X0	1	0029433	Abdeckkappe für 42pol Buchsengehäuse		/2.6
	-2X0	1	0029438	Buchsenkontakt 0,5-1,0mm² TE Junior Power Timer		/2.6
	-2X0	1	34.05.06.089H	Dichtung Junior Power Timer 0,5 - 1,0mm²		/2.6
	-2X0	5	0029410	Buchsenkontakt 1,5-2,5mm² TE Junior Power Timer		/2.6
	-2X0	5	34.05.06.045H	Einzelleiterabdichtung Kontakt Junior Power Timer 1,5-2,5mm²		/2.6
	-2X0	25	0029441	Buchsenkontakt Micro Timer 2 0,5-1,0mm²		/2.6
	-2X0	19	0029445	Einzeladerdichtung 1,9-2,4mm² gelb		/2.6
	-2X0	6	0029446	Einzeladerdichtung 1.4-1.9mm² grau		/2.6
	-2X0	11	0029440	Blindstopfen TE Micro Timer 2+3		/2.6
9	-3M1	1	34.08.05.026P	Servomotor Stecker DTM04-3P 100nF (iControl)		/3.1
10	-3X1	1	34.05.05.054H	Buchsengehäuse DTM 06-3 S 3 polig		/3.1
	-3X1	3	34.05.05.046H	Kontakt DTM Buchse 0.35 - 1,5 mm²		/3.1
	-3X1	1	34.05.05.056H	Kontaktsicherung WM 3 S Serie DTM		/3.1
11	-3X3	1	34.04.04.015H	Parallelverbinder 2,5mm²		/3.3
12	-3X6	1	34.05.10.001H	Winkelkupplung GDM 2009 Kraftstoffmagnetventil		/3.6
13	-3Y6	1	34.08.06.007H	Kraftstoff Magnetventil GSR 12V 2,6W		/3.6
14	-4F2	1	0023545	Hochstromsicherung 40A SAE J1171		/4.2
	-4F2	1	34.08.03.059H	Sicherungshalter für Hochstromsicherungen		/4.2
15	-4G7	1	30.02.02.032H	Lichtmaschine 12V/10A Ø90		/4.7
16	-4K8	1	30.02.02.029H	Laderegler Lichtmaschine 12V/10A Typ 15531-6401 Lima Ø90		/4.8
17	-4X2	2	34.04.12.005H	Quetschkabelschuh Ringform DIN46237 isoliert 1,5-2,5 mm² M05 blau		/4.2
18	-4X2	1	34.04.12.006H	Quetschkabelschuh Ringform DIN46237 isoliert 4,0-6,0 mm² M05 gelb		/4.2
19	-4X2.2	1	34.04.12.012H	Quetschkabelschuh Ringform DIN46237 isoliert 4,0-6,0 mm² M08 gelb		/4.2
20	-4X2.3	1	34.05.03.008H	AMP Stecker-Gehäuse Positive Lock f Steckverbinder Faston 6,3mm 1polig rot		/4.2
	-4X2.3	1	34.05.03.007H	AMP Positive Lock Steckverbinder Faston 0,5-1,5 mm² 6,3mm CuSn		/4.2
21	-4X3	1	34.04.12.007H	Quetschkabelschuh Ringform DIN46237 isoliert 0,5-1,0 mm² M05 rot		/4.3
22	-4X5	1	34.04.12.002H	Quetschkabelschuh Ringform DIN46237 isoliert 1,5-2,5 mm² M04 blau		/4.5
23	-4X6	1	34.04.12.013H	Quetschkabelschuh Ringform DIN46237 isoliert 0,5-1,0 mm² M08 rot		/4.6
24	-4X7	1	34.04.11.004H	Rundstecker 0,5-1,0 mm² isoliert rot Ø 04 mm		/4.7
25	-4X7.1	1	34.04.11.004H	Rundstecker 0,5-1,0 mm² isoliert rot Ø 04 mm		/4.7
26	-4X8	1	30.02.02.053H	Gegenstecker Laderegler		/4.8

