

Project description **BF300 P T4f T3**
 Designazione dell'impianto
 Drawing number **407**
 numero disegno

Pages 125
 pagine

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Created Realizzato	R.Zaniboni 17/05/2016	BF300 P T4f T3		Title page / cover sheet Foglio del titolo / copertina					Higher-level function Impianto	=	Page Pagina	1	from pag.	125
Checked Controllato	L.Zuccarino 04/11/2015				Function Funzione	= =							407	
									Mounting location Montaggio località	+				

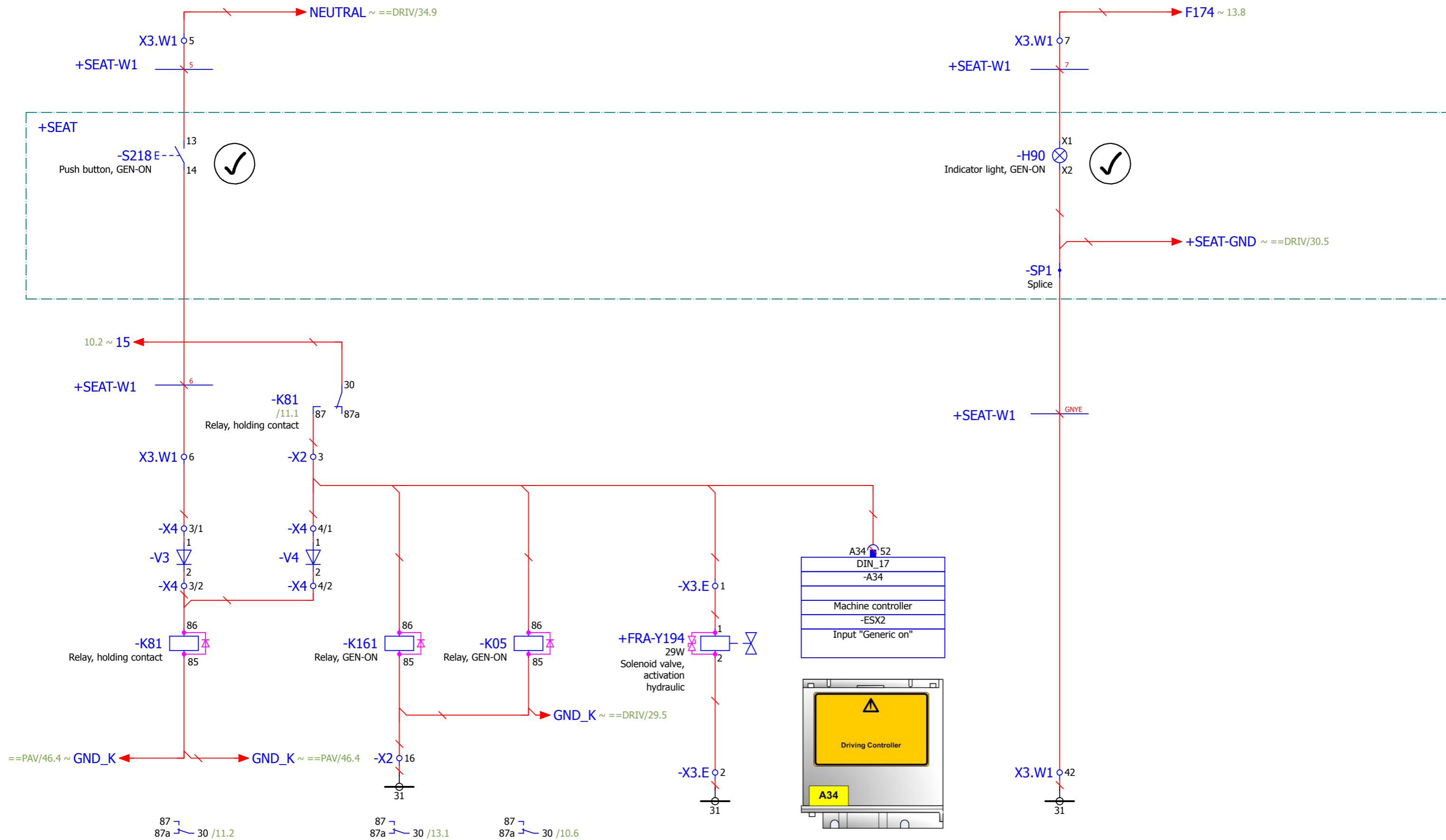
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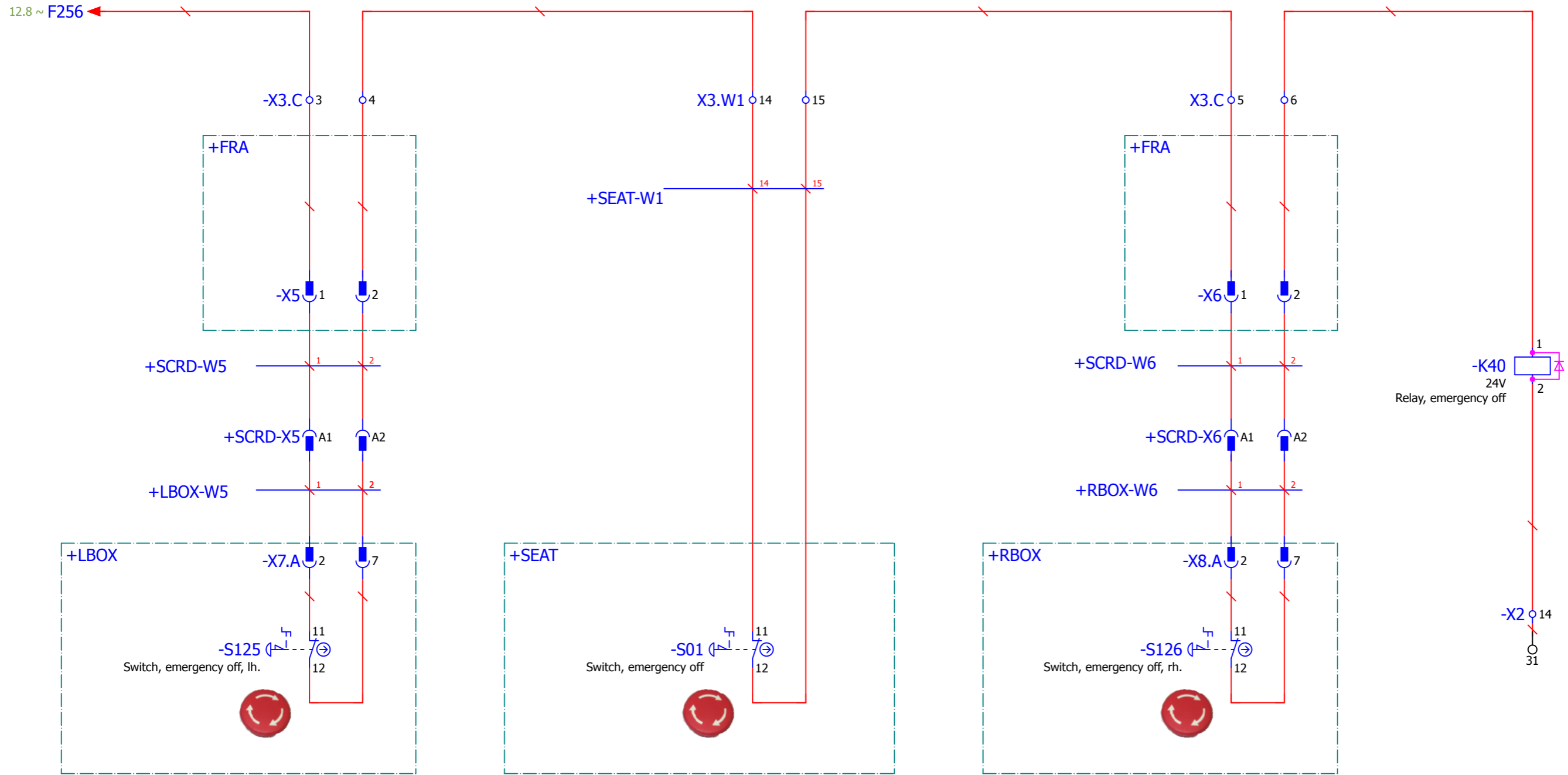


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0	1	2	3	4	5	6	7	8	9
Created Realizzato	R.Zaniboni 17/05/2016	BF300 P T4f T3		 BOMAG FAYAT GROUP	Gen-on			Higher-level function Impianto = BF	Page Pagina 11 from pag. 125
Checked Controllato	L.Zuccarino 04/11/2015							Function Funzione = SUPL	407
								Mounting location Montaggio località + EBOX	

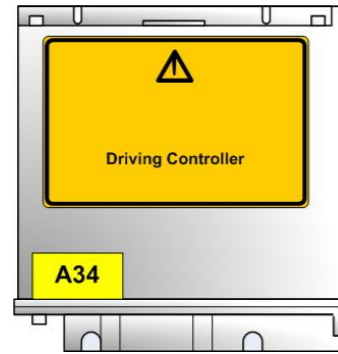


- 6 - 5
- /12.7 7 - 8
- ==DRIV/32.3 9 - 10
- 11 - 12
- 14 - 13
- 15 - 16
- 18 - 17
- ==COM+MOT/24.7 19 - 20

==DATA/27.9 ~ F182 ← → F182 ~ 33.7

==SUPL/16.3 ~ FM1 ← → FM1 ~ 33.3

==SUPL/16.3 ~ AGND_DC ← →

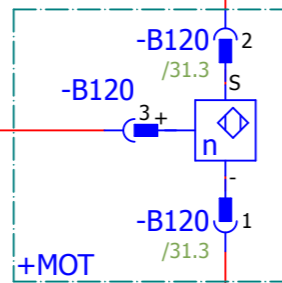


Sensor "Engine speed"	Relay "E-Gas Direction"	E-Gas "Clutch"	E-Gas "Actuator"	E-Gas "Feedback"
-ESX2	-ESX2	-ESX2	-ESX2	-ESX2
Machine controller	Machine controller	Machine controller	Machine controller	Machine controller
-A34	-A34	-A34	-A34	-A34
DIN_14	DO_3	DO_5	PWM_6	AIN_8
A34 / 18	A34 / 25	A34 / 61	A34 / 42	A34 / 32

-X3.F 21

-X3.F 23

-B120
Sensor, engine speed



==PAV/43.5 ~ X35:25 ← →

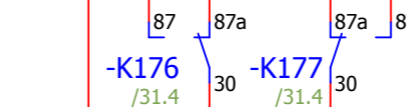
==PAV/36.4 ~ GND_K ← →

-K176
Relay,
switch over
engine rpm

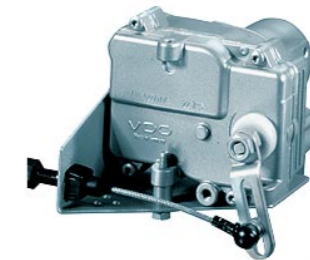
-K177
Relay,
switch over
engine rpm

-X3.F 25 24 26 27

+MOT-M39 5 6 1 7



+MOT-M39
Actuator engine rpm



-X3.F 22

-X2 17

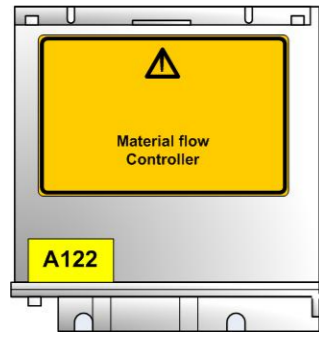
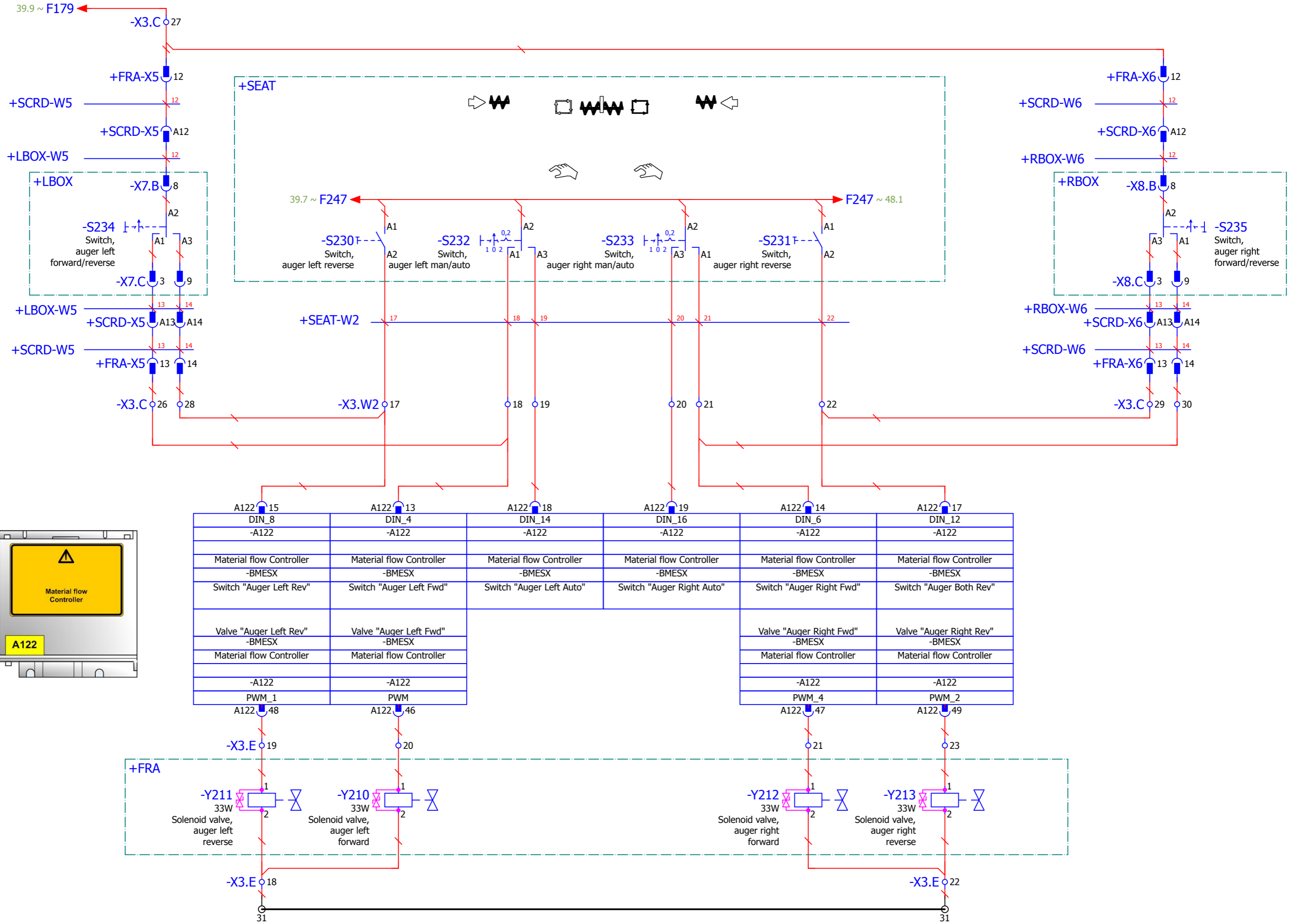
31

31

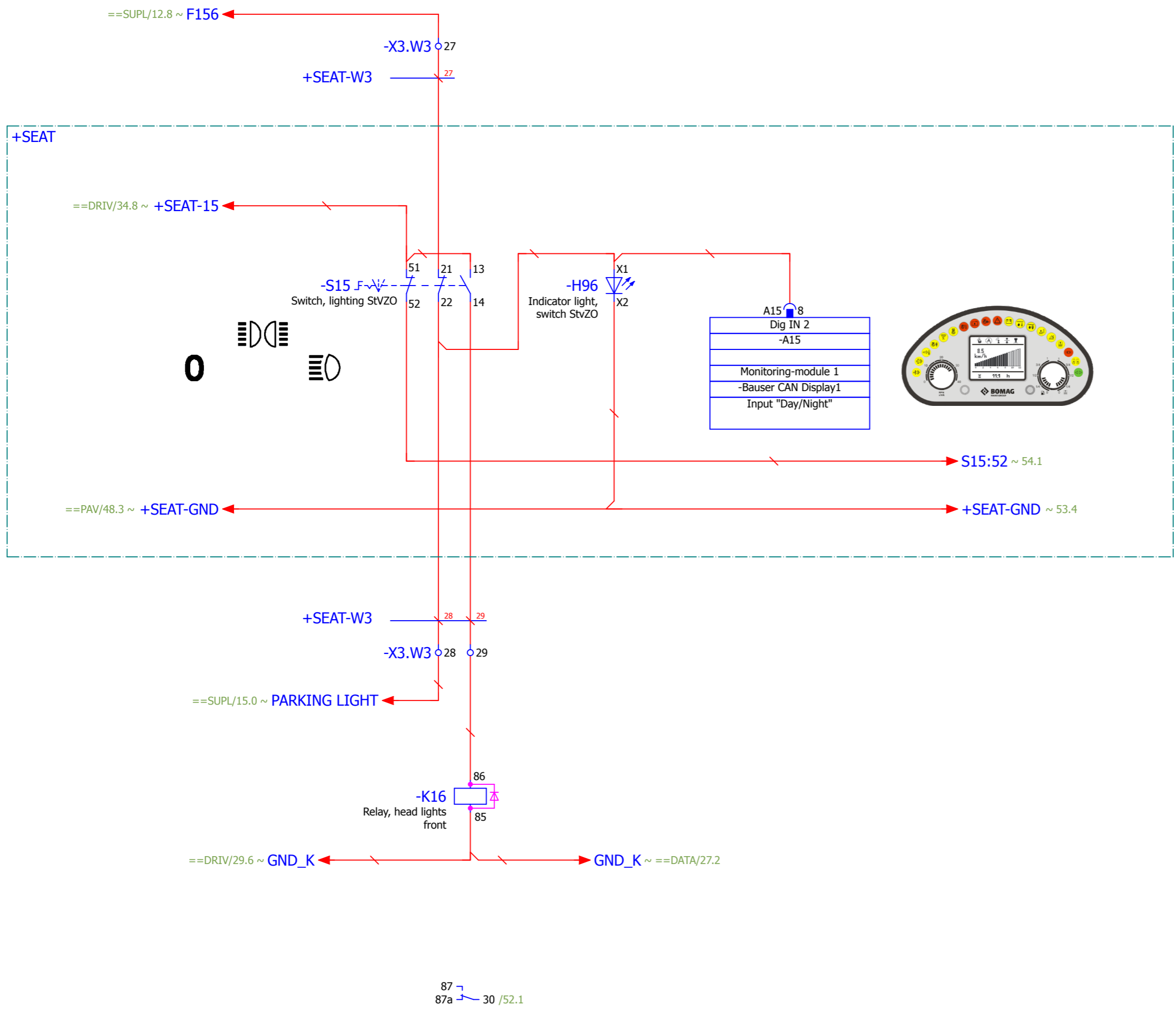
31

87
87a 30 /31.6

87
87a 30 /31.6



A122 15 DIN_8	A122 13 DIN_4	A122 18 DIN_14	A122 19 DIN_16	A122 14 DIN_6	A122 17 DIN_12
-A122	-A122	-A122	-A122	-A122	-A122
Material flow Controller -BMESX	Material flow Controller -BMESX	Material flow Controller -BMESX	Material flow Controller -BMESX	Material flow Controller -BMESX	Material flow Controller -BMESX
Switch "Auger Left Rev"	Switch "Auger Left Fwd"	Switch "Auger Left Auto"	Switch "Auger Right Auto"	Switch "Auger Right Fwd"	Switch "Auger Both Rev"
Valve "Auger Left Rev" -BMESX	Valve "Auger Left Fwd" -BMESX			Valve "Auger Right Fwd" -BMESX	Valve "Auger Right Rev" -BMESX
Material flow Controller	Material flow Controller			Material flow Controller	Material flow Controller
-A122	-A122			-A122	-A122
PWM_1	PWM			PWM_4	PWM_2
A122 48	A122 46			A122 47	A122 49



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Created Realizzato	R.Zaniboni 17/05/2016	BF300 P T4f T3		 BOMAG FAYAT GROUP	Working lights			Higher-level function Impianto	= BF	Page Pagina	51	from from pag.	125
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								Mounting location Montaggio località	+ EBOX				

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Device tag list

l'elenco componenti


Device tag SEF	Page Path pagina col	Mounting location montaggio località	Higher-level function impianto	Function text Testo funzionale
	57 4			
A02	53 4	+EBOX	=BF	Flasher
A15	27 7	+SEAT	=BF	Sensor "Fuel level"
A34	16 3	+EBOX	=BF	AGND
A48.K	23 0	+MOT	=BF	Engine-Controller TIER4i
A48.K-A48.CN501	25 9	+MOT	=BF	
A48.K-A48.CN502	24 7	+MOT	=BF	
A48.K-A48.K:PE	23 6	+MOT	=BF	
A48.K-CN501	23 3	+MOT	=BF	
A48.K-CN502	23 0	+MOT	=BF	
A48.K-X44.K	23 3	+MOT	=BF	Plug, engine-controller motor-part
A48.K-X45.K	23 6	+MOT	=BF	Plug, engine-controller machine-part
A113	44 0	+LBOX	=BF	Flasher
A114	37 3	+FRA	=BF	Control unit, screed heater
A114-X31	37 4	+FRA	=BF	
A114	45 0	+RBOX	=BF	Flasher
A122	16 7	+EBOX	=BF	AGND
A124	60 5	+EBOX	=BF	GND
A138	60 7	+FRA	=BF	GPS Antenna
A161	22 6	+EBOX	=BF	CAN 2 +
A162	22 8	+EBOX	=BF	-- " --
B03	27 7	+MOT	=BF	Vacuum switch, air cleaner
B04	27 1	+FRA	=BF	Pressure switch, charge pressure
B06	28 4	+MOT	=BF	Pressure switch, Engine oil
B11	29 7	+FRA	=BF	Warning horn
B12	35 4	+FRA	=BF	Pressure switch, brake
B20	27 3	+FRA	=BF	Temperature switch, hydraulic oil
B23	27 4	+FRA	=BF	Floating switch, hydraulic oil tank
B53	28 5	+MOT	=BF	Temperature switch, collant
B55	27 2	+MOT	=BF	Floating switch, Coolant expansion tank
B120	31 3	+MOT	=BF	Sensor, engine speed
B124	27 1	+MOT	=BF	Water trap
B186	33 8	+FRA	=BF	Sensor, mechanical gear
B191	33 5	+EBOX	=BF	
B191	33 6	+FRA	=BF	Sensor, speed left
B219	23 3	+MOT	=BF	EMR Air mass sensor
C1	29 7	+FRA	=BF	

Terminal strip overview

descrizione della striscia terminale

X1.A	Fuses output Fuses output
Mounting location montaggio località	=BF+EBOX

Device tag SEF	Page pagina	Path col
X1.A:1	12	2
X1.A:2	12	3
X1.A:3	12	4
X1.A:4	12	4
X1.A:5	13	1
X1.A:6	12	5
X1.A:7	12	6
X1.A:8	13	1
X1.A:9	12	7
X1.A:11	13	2
X1.A:12	13	3
X1.A:13	13	4
X1.A:14	13	5
X1.A:15	13	6
X1.A:16	13	6
X1.A:17	13	7
X1.A:18	14	1
X1.A:19	14	2
X1.A:20	14	2
X1.A:21	14	3
X1.A:23	14	4
X1.A:24	14	5
X1.A:25	14	6
X1.A:26	14	7
X1.A:27	14	8
X1.A:32	15	1
X1.A:33	15	1
X1.A:34	15	2
X1.A:35	15	3
X1.A:36	15	4
X1.A:37	15	4
X1.A:38	15	5
X1.A:39	15	6
X1.A:41	15	7
X1.A:42	15	8


0	1	2	3	4	5	6	7	8	9				
Created Realizzato	R.Zaniboni 17/05/2016	BF300 P T4f T3			Terminal diagram			Higher-level function Impianto	=	Page Pagina	71	from from pag.	125
Checked Controllato	L.Zuccarino 04/11/2015							Function Funzione	=	407			
								Mounting location Montaggio località	+				

Terminal strip overview

descrizione della striscia terminale

X3.W1	Cable W1 Cable W1
Mounting location montaggio località	=BF+EBOX

Device tag SEF	Page pagina	Path col
X3.W1:1	10	1
X3.W1:2	10	1
X3.W1:3	10	4
X3.W1:4	10	6
X3.W1:5	11	1
X3.W1:6	11	1
X3.W1:7	11	7
X3.W1:8	30	2
X3.W1:9	13	2
X3.W1:10	13	2
X3.W1:11	19	3
X3.W1:12	19	3
X3.W1:13	19	4
X3.W1:14	21	4
X3.W1:15	21	4
X3.W1:21	22	8
X3.W1:22	22	9
X3.W1:25	27	7
X3.W1:26	27	4
X3.W1:27	29	1
X3.W1:28	29	1
X3.W1:29	27	4
X3.W1:30	36	3
X3.W1:31	34	2
X3.W1:32	34	1
X3.W1:33	34	2
X3.W1:35	27	8
X3.W1:36	43	5
X3.W1:37	27	7
X3.W1:42	11	7

0	1	2	3	4	5	6	7	8	9				
Created Realizzato	R.Zaniboni 17/05/2016	BF300 P T4f T3			Terminal diagram			Higher-level function Impianto	=	Page Pagina	81	from from pag.	125
Checked Controllato	L.Zuccarino 04/11/2015							Function Funzione	= =	407			
								Mounting location Montaggio località	+				

Plug overview

descrizione del connettore

Designation descrizione	Mounting location montaggio località	Function text testo funzione
X44.K	=BF+MOT	

Contact contatto	Page pagina	Path col	Type tipo
29	25	4	
32	25	6	
33	25	8	
34	25	6	
36	26	5	
37	26	5	
38	26	4	
41	26	3	
42	26	2	
43	26	2	
45	26	1	
46	26	1	
47	26	0	
48	25	7	
51	25	8	
52	25	8	
60	25	9	
61	26	3	
62	26	2	
63	26	2	
65	26	1	
66	26	1	
67	26	0	
68	25	4	
71	25	8	
72	25	7	
80	25	9	

Designation descrizione	Mounting location montaggio località	Function text testo funzione
X44	=BF+SBOX	

Contact contatto	Page pagina	Path col	Type tipo
1	48	9	
2	48	9	
3	48	9	

Designation descrizione	Mounting location montaggio località	Function text testo funzione
X45.K	=BF+MOT	

Contact contatto	Page pagina	Path col	Type tipo
1	23	0	
3	23	1	
5	24	7	
12	26	8	
13	24	6	
16	24	4	

Designation descrizione	Mounting location montaggio località	Function text testo funzione
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17	24	8
18	23	0
20	23	7
21	23	1
23	23	2
24	23	6
29	25	0
33	24	7
36	24	4
37	24	7
38	23	1
39	23	7
40	23	7
45	23	6
48	25	1
49	23	6
50	25	1
58	23	2
59	23	8
60	23	8
65	25	1
71	25	2
78	23	2
79	23	8
80	23	9


Designation descrizione	Mounting location montaggio località	Function text testo funzione
X45	=BF+FRA	

Contact contatto	Page pagina	Path col	Type tipo
1	56	5	
2	56	5	

Cable diagram

lista cavi

Cable name nome cavo =BF+LBOX-W5	Cable type tipo cavo Superflex N		No. of conductors n° cond 34	Cross-section sezione 1,00	Remark nota			
Function text testo funzione	Page pagina	Path col	Target designation from destinazione da	Conductor cond	Target designation to destinazione a	Page pagina	Path col	Function text testo funzione
	21	2	X7.A 2	1	X5 A1	21	2	
	21	2	X7.A 7	2	X5 A2	21	2	
	29	2	X7.A 3	3	X5 A3	29	2	
	29	3	X7.A 8	4	X5 A4	29	3	
	39	1	X7.B 4	5	X5 A5	39	1	
	39	1	X7.C 1	6	X5 A6	39	1	
	40	3	X7.B 1	7	X5 A7	40	3	
	40	4	X7.C 2	8	X5 A8	40	4	
	42	3	X7.B 3	9	X5 A9	42	3	
	42	4	X7.C 8	10	X5 A10	42	4	
	42	4	X7.B 9	11	X5 A11	42	4	
	41	1	X7.B 8	12	X5 A12	41	1	
	41	1	X7.C 3	13	X5 A13	41	1	
	41	2	X7.C 9	14	X5 A14	41	2	
	42	1	X7.B 2	15	X5 A15	42	1	
	42	2	X7.B 10	16	X5 A16	42	2	
	44	2	X7.A 1	17	X5 A17	44	2	
	44	3	X7.A 6	18	X5 A18	44	3	
	44	4	X7.C 4	19	X5 A19	44	5	
	44	4	X7.C 10	20	X5 A20	44	5	
	47	2	X7.B 6	21	X5 D1	47	2	
	47	2	X7.C 5	22	X5 D2	47	2	
	47	2	X7.C 11	23	X5 D3	47	2	
	47	2	X7.C 6	24	X5 D4	47	2	
	47	3	X7.B 5	25	X5 D5	47	3	
	47	3	X7.B 11	26	X5 D6	47	3	
	47	4	X7.A 4	27	X5 D7	47	4	

0	1	2	3	4	5	6	7	8	9
Created Realizzato	R.Zaniboni 17/05/2016	BF300 P T4f T3	 BOMAG FAYAT GROUP	Cable diagram W5 Schema cablaggio W5				Higher-level function Impianto =	Page Pagina 101 from pag. 125
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