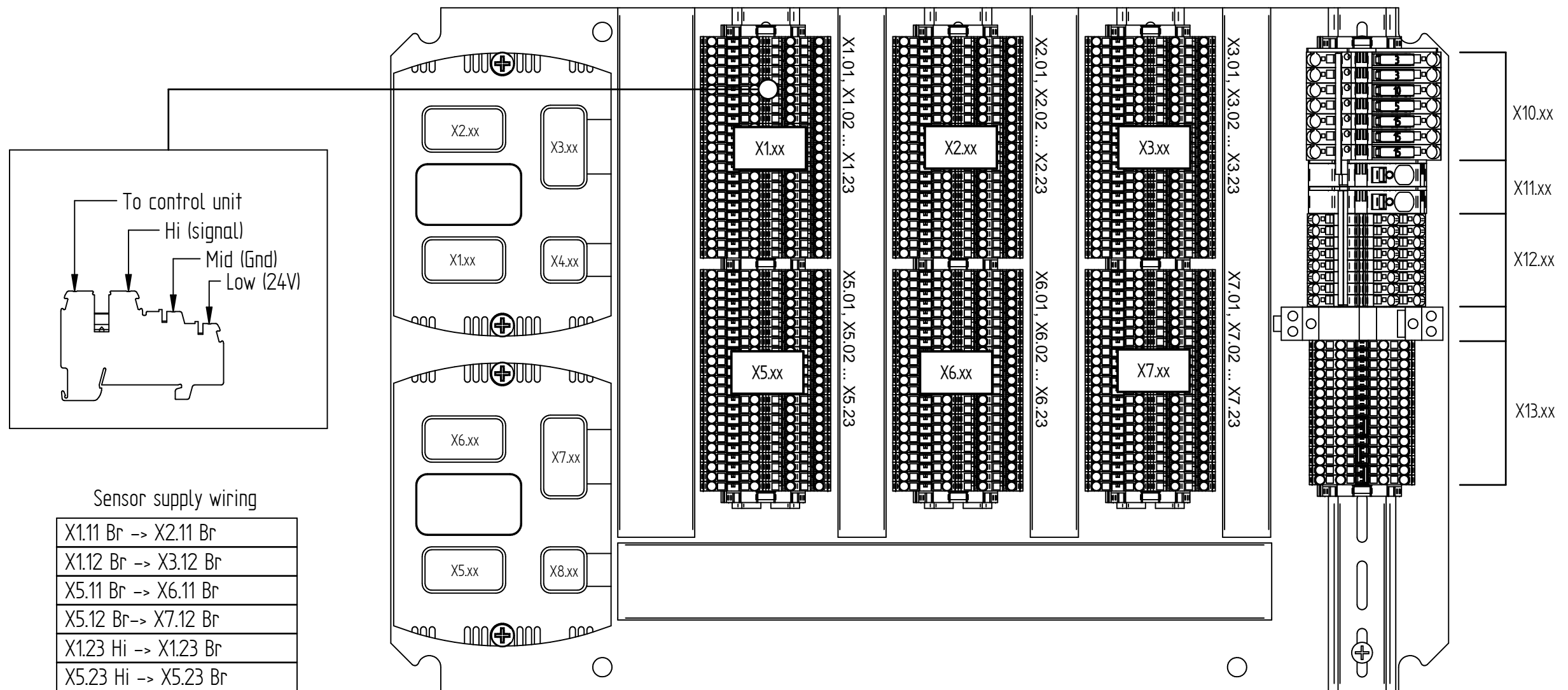
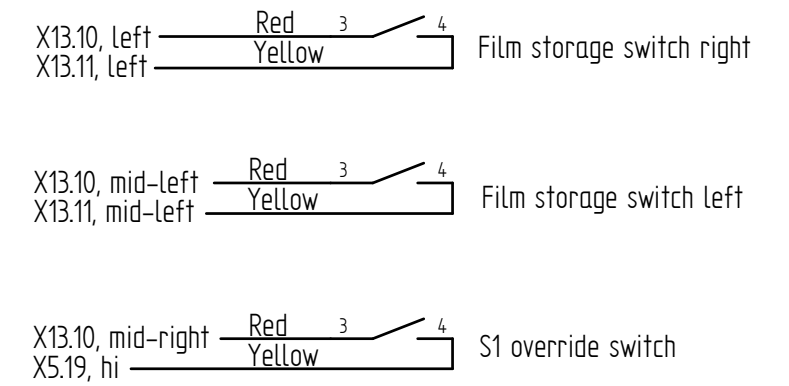
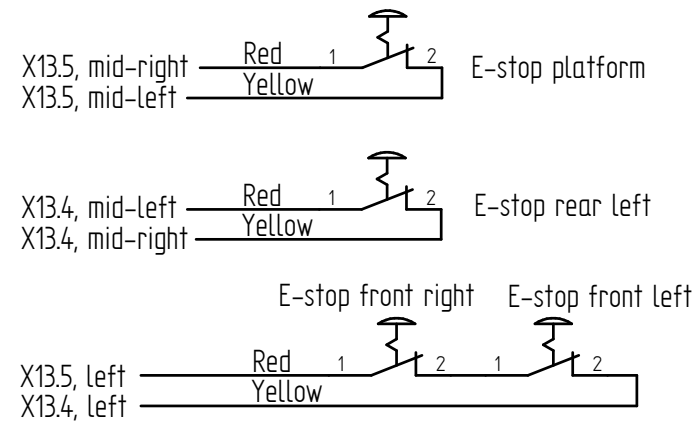
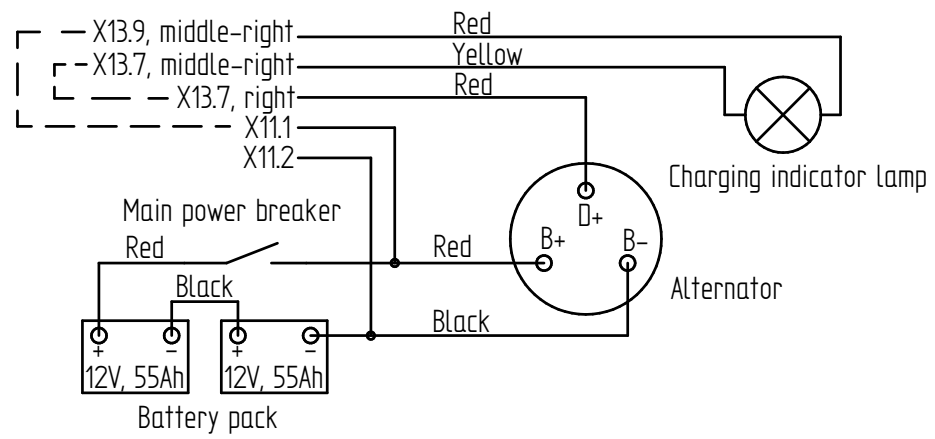
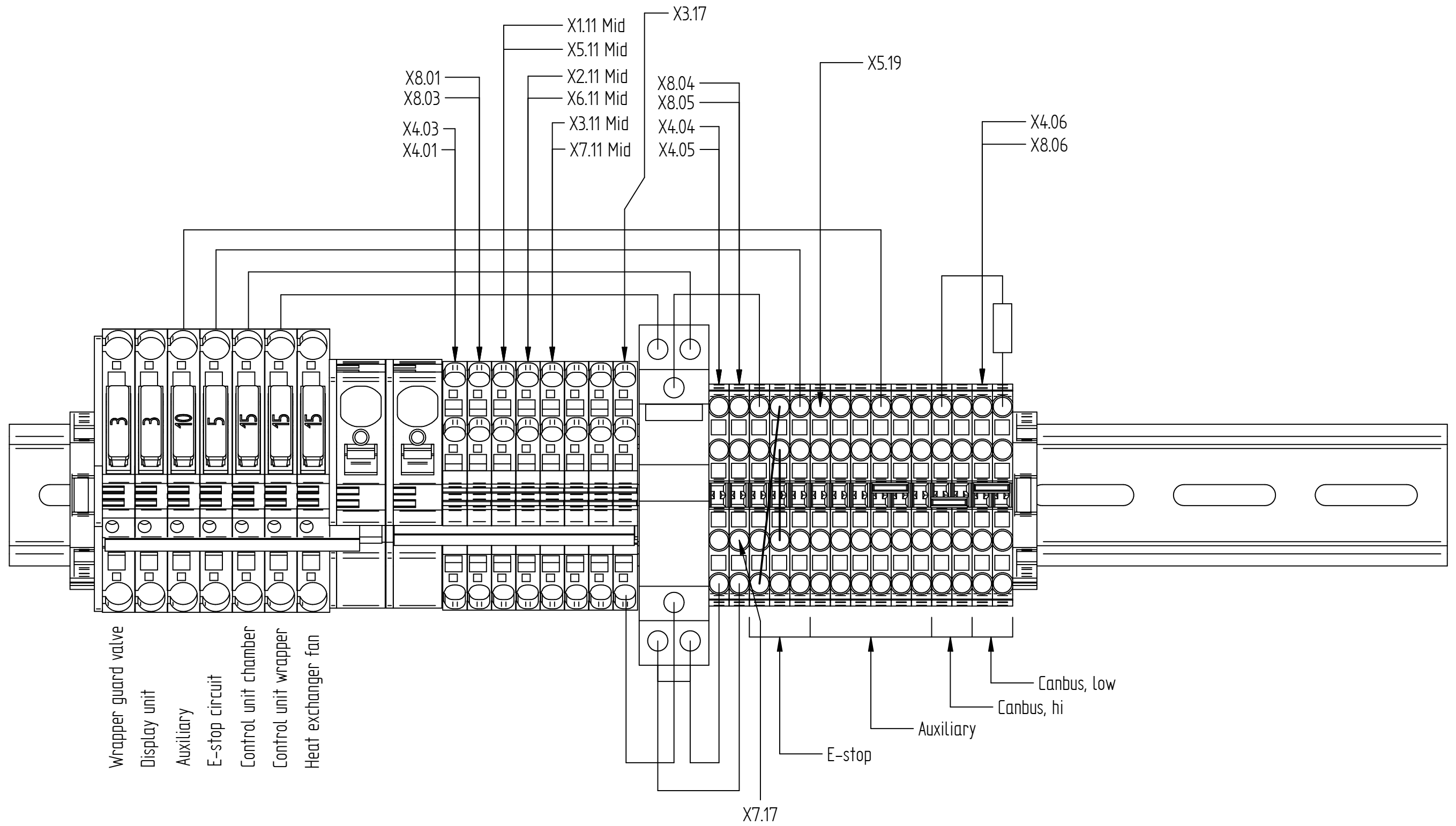


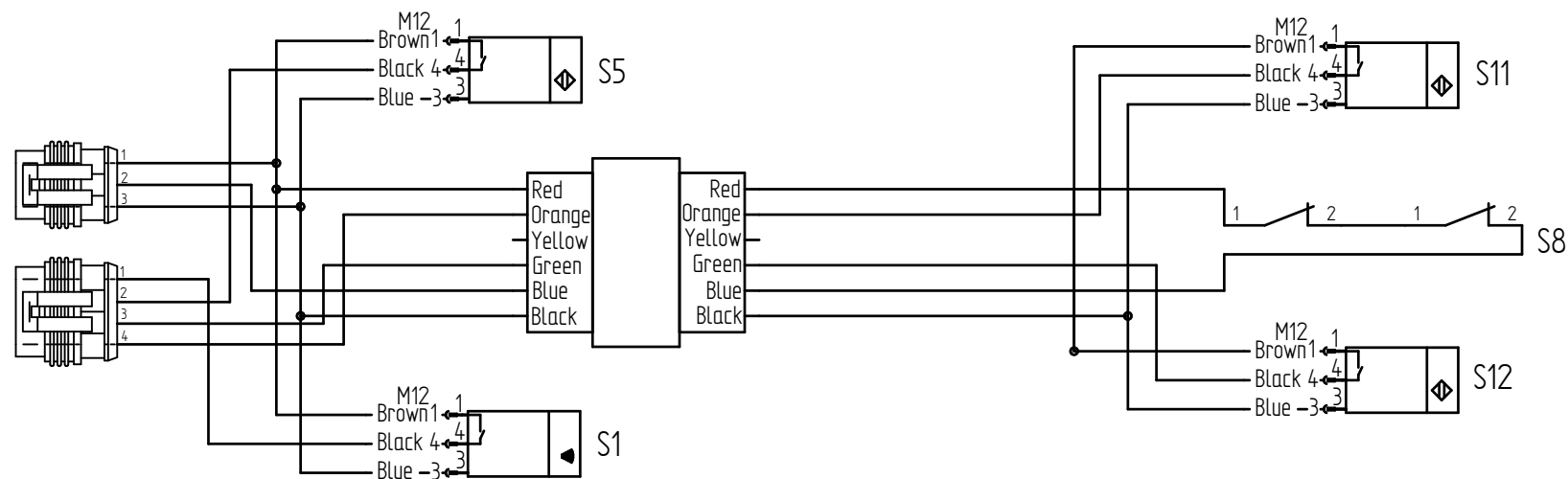
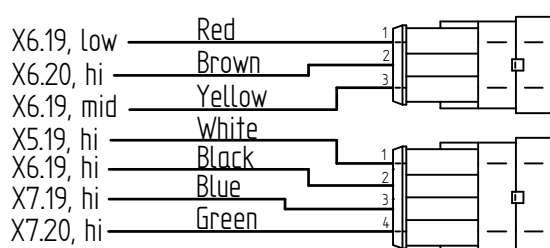
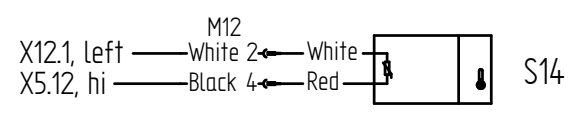
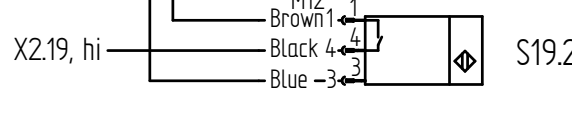
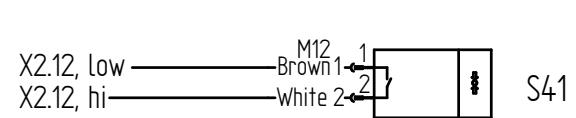
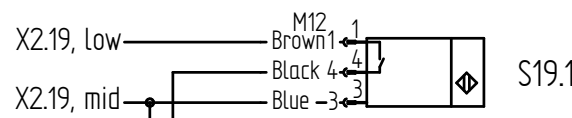
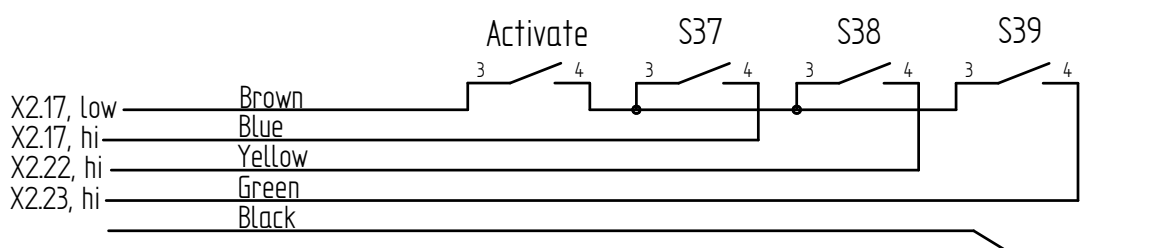
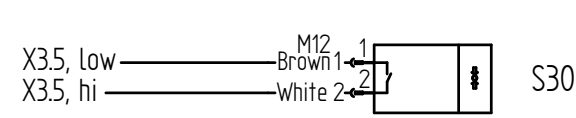
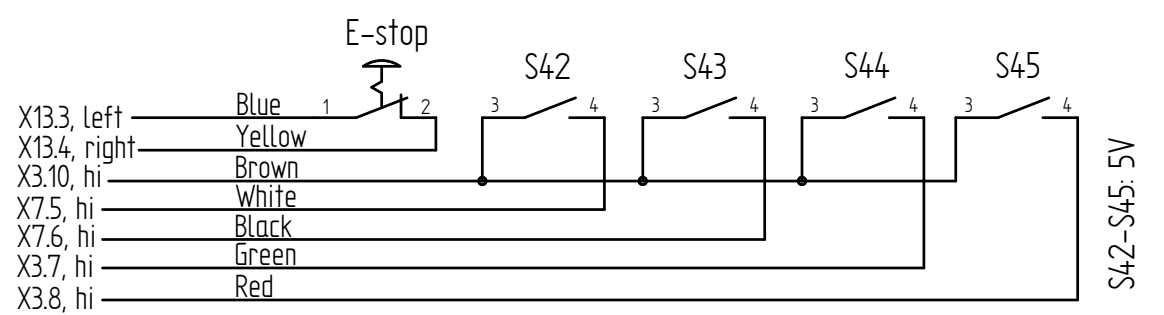
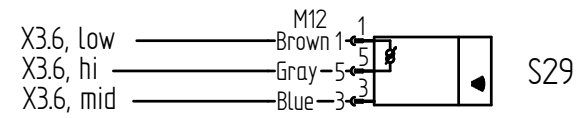
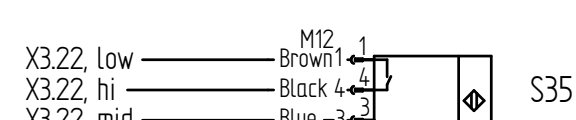
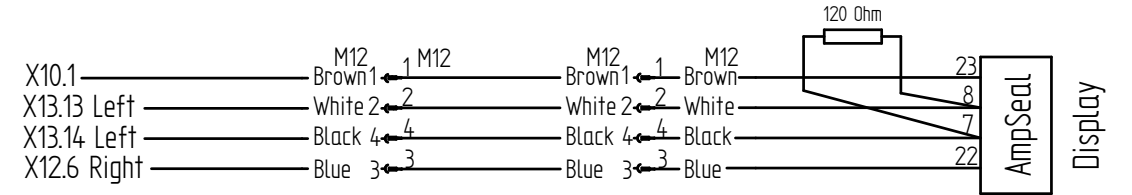
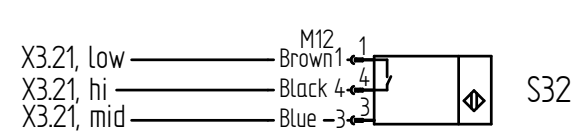
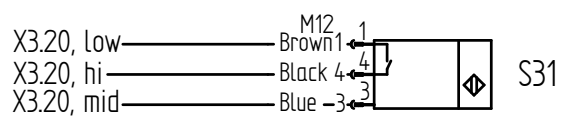
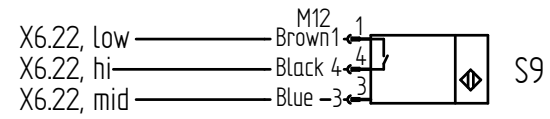
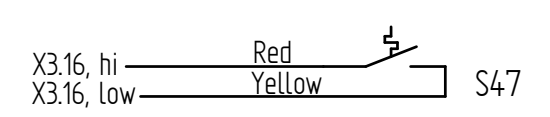
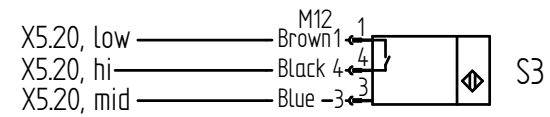
Main power supply, E-stop switches and electrical cabinet



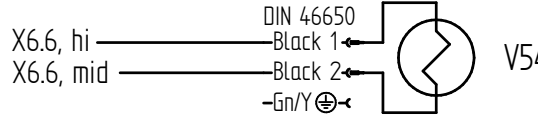
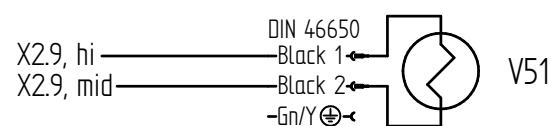
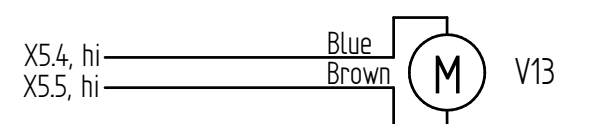
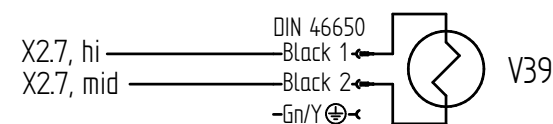
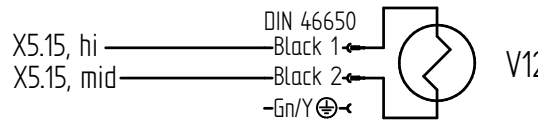
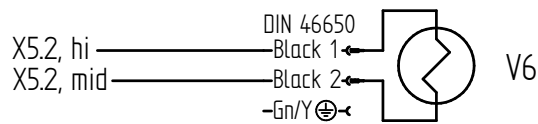
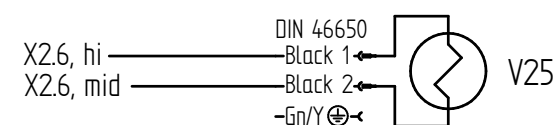
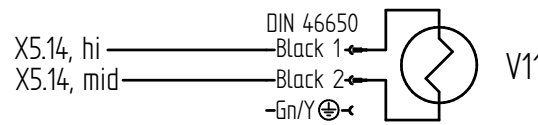
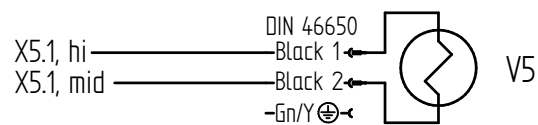
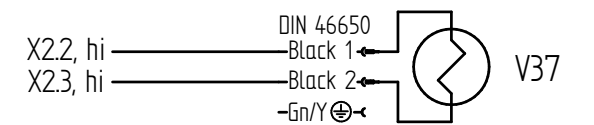
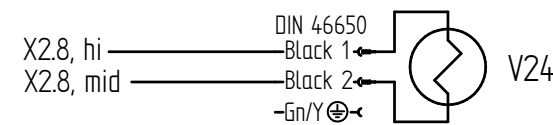
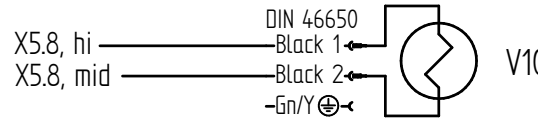
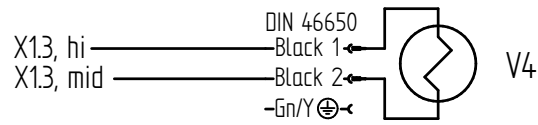
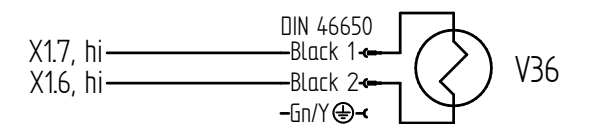
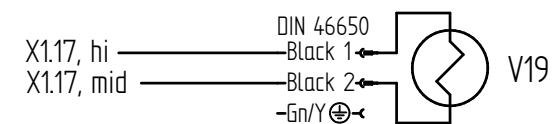
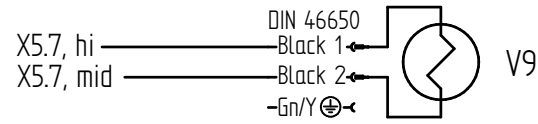
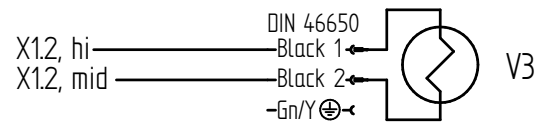
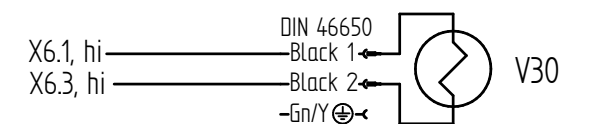
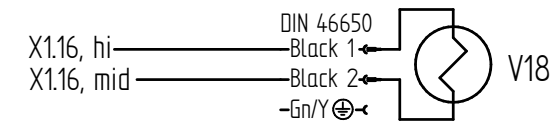
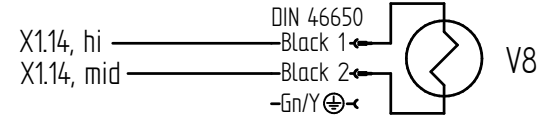
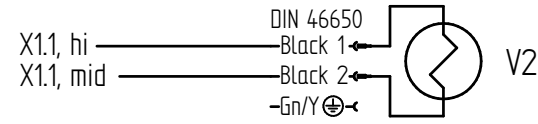
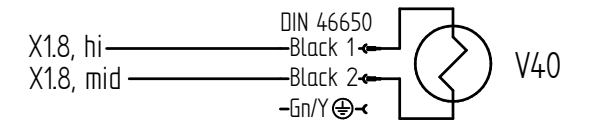
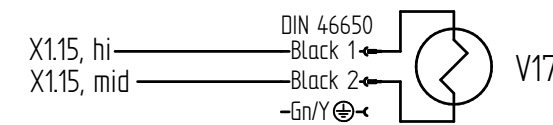
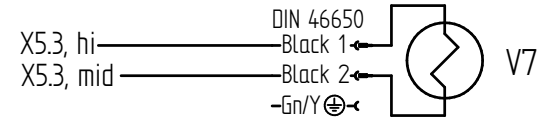
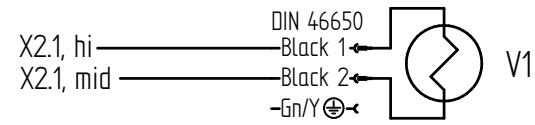
Electrical cabinet power supply rail



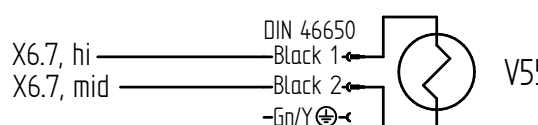
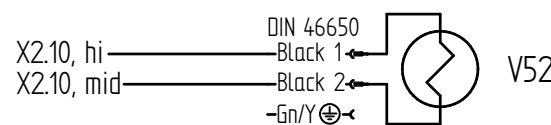
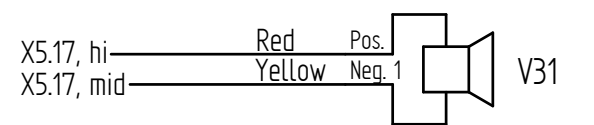
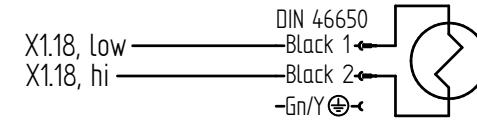
Display, sensors and manual controls



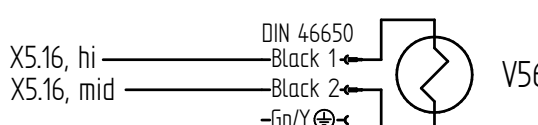
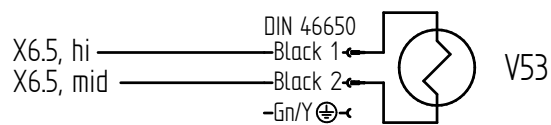
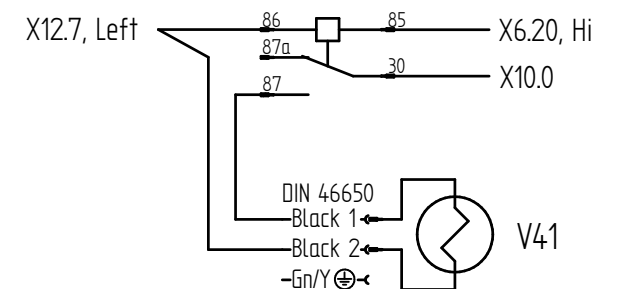
Valves and pumps



Air cleaning - chamber door (V35)



Air cleaning - feed roller sliders

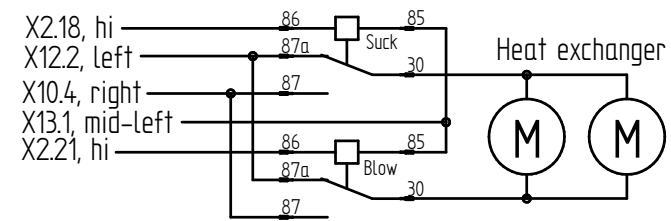


Air cleaning - feed rollers and sides

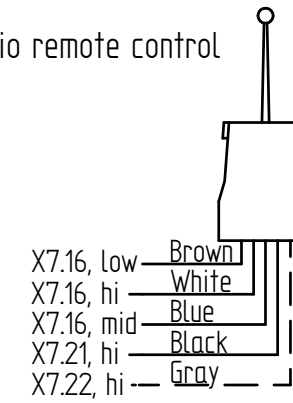


Fan motors and optionals (weighing system, radio remote control)

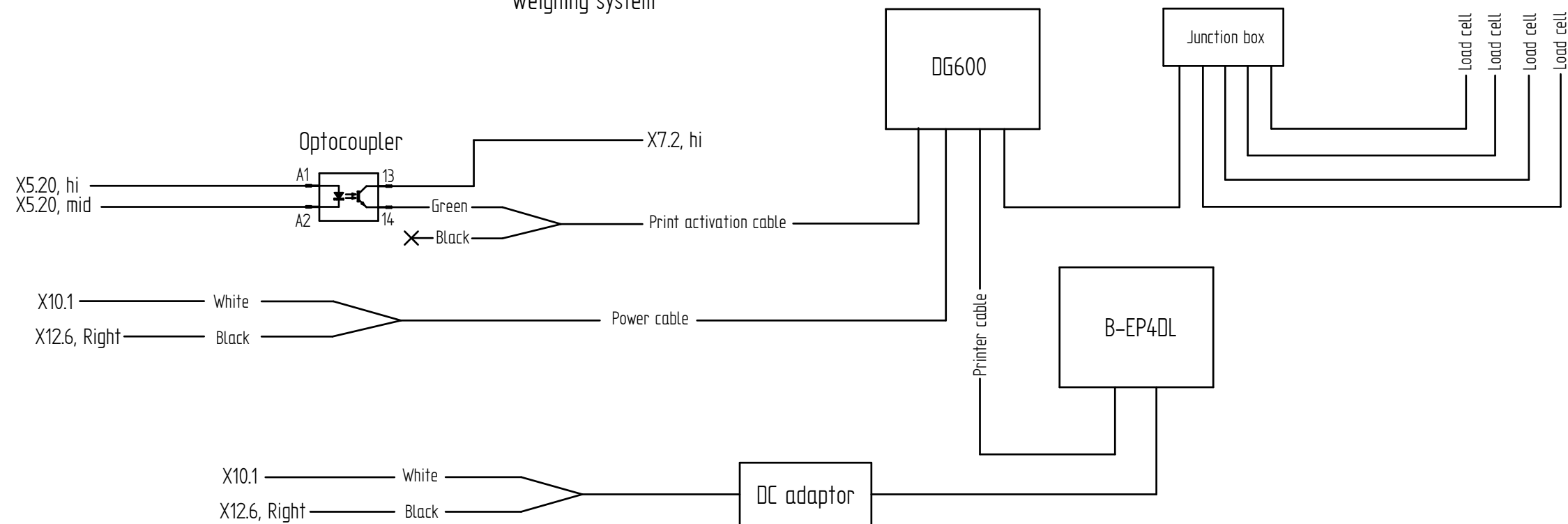
Heat exchanger fan relays



Radio remote control



Weighing system



Loc.	ID	Description	Type	Hi	Mid	Low
X1.1	V02	Chamber open	DO	·1	·2	
X1.2	V03	Chamber close	DO	·1	·2	
X1.3	V04	Wrapper bypass off	DO	·1	·2	
X1.4		----- NOT IN USE -----				
X1.5		----- NOT IN USE -----				
X1.6	V36	Elevator speed FB	FB	·2		
X1.7	V36	Elevator speed	PWM	·1		
X1.8	V40	Net brake release	DO	·1	·2	
X1.9		----- NOT IN USE -----				
X1.10		----- NOT IN USE -----				
X1.11		----- NOT IN USE -----				
X1.12		----- NOT IN USE -----				
X1.13		----- NOT IN USE -----				
X1.14	V08	Net knife cut	DO	·1	·2	
X1.15	V17	Net feed rollers open	DO	·1	·2	
X1.16	V18	Net feed rollers close	DO	·1	·2	
X1.17	V19	Net feed motor	DO	·1	·2	
X1.18	V35	Air cleaning, door (OPT)	DO	·1		·2
X1.19	S17	Chamber opened	DI	Bk	Bl	Br
X1.20	S18	Chamber closed	DI	Bk	Bl	Br
X1.21		----- NOT IN USE -----				
X1.22		----- NOT IN USE -----				
X1.23		Sensor supply	DO	X <-----> X		

Loc.	ID	Description	Type	Hi	Mid	Low
X5.1	V05	Table up	DO	·1	·2	
X5.2	V06	Table down	DO	·1	·2	
X5.3	V07	Run wrap table	DO	·1	·2	
X5.4	V13	Grease pump	DO	Bl		
X5.5	V13	Grease pump FB	FB	Br		
X5.6		----- NOT IN USE -----				
X5.7	V09	Wrap arm slow	DO	·1	·2	
X5.8	V10	Wrap arm fast	DO	·1	·2	
X5.9		----- NOT IN USE -----				
X5.10		----- NOT IN USE -----				
X5.11		----- NOT IN USE -----				
X5.12	S14	Oil temperature	AI	Bk		
X5.13		----- NOT IN USE -----				
X5.14	V11	Film knife open	DO	·1	·2	
X5.15	V12	Film knife close	DO	·1	·2	
X5.16	V56	Auger bypass	DO	·1	·2	
X5.17	V31	Bale drop warning buzzer	DO	R	Y	
X5.18		----- NOT IN USE -----				
X5.19	S01	Bale on wrap table	DI	A.Wh		
X5.20	S03	Table middle position	DI	Bk	Bl	Br
X5.21		----- NOT IN USE -----				
X5.22		----- NOT IN USE -----				
X5.23		Sensor supply	DO	X <-----> X		

Loc.	ID	Description	Type	Hi	Mid	Low
X2.1	V01	Sub conveyor bypass	DO	·1	·2	
X2.2	V37	S.conveyor & F.hopper speed	PWM	·1		
X2.3	V37	S.conveyor & F.hopper speed FB	FB	·2		
X2.4	V32	Chamber speed FB	FB	·2		
X2.5	V32	Chamber speed	PWM	·1		
X2.6	V25	Feed hopper on	DO	·1	·2	
X2.7	V39	Elevator bypass	DO	·1	·2	
X2.8	V24	Sub conveyor on	DO	·1	·2	
X2.9	V51	Run Feed hopper	DO	·1	·2	
X2.10	V52	Run flip	DO	·1	·2	
X2.11		----- NOT IN USE -----				
X2.12	S41	Elevator load (pressure)	AI	Wh		Br
X2.13		----- NOT IN USE -----				
X2.14		----- NOT IN USE -----				
X2.15		----- NOT IN USE -----				
X2.16	S07	E-Stop redundancy input	DI	X13.3		
X2.17	S37	Remote open feed rollers	DI	B.Bl		B.Br
X2.18	V33	Cooler fan run (suck)	DO	Bk		
X2.19	S19	Feed rollers opened	DI	Bk	Bl	Br
X2.20	S20	Feed rollers closed	DI	Bk	Bl	Br
X2.21	V34	Cooler fan reverse (blow)	DO	Bk		
X2.22	S38	Remote close feed rollers	DI	B.Y		
X2.23	S39	Remote start net	DI	B.Gn		

Loc.	ID	Description	Type	Hi	Mid	Low
X6.1	V30	Wrapper speed	PWM	·1		
X6.2		----- NOT IN USE -----				
X6.3	V30	Wrapper speed FB	FB	·2		
X6.4		----- NOT IN USE -----				
X6.5	V53	Flip change direction	DO	·1	·2	
X6.6	V54	Flip check right	DO	·1	·2	
X6.7	V55	Flip check left	DO	·1	·2	
X6.8		----- NOT IN USE -----				
X6.9		----- NOT IN USE -----				
X6.10		----- NOT IN USE -----				
X6.11		----- NOT IN USE -----				
X6.12		----- NOT IN USE -----				
X6.13		----- NOT IN USE -----				
X6.14		----- NOT IN USE -----				
X6.15		----- NOT IN USE -----				
X6.16	S27	Oil level	DI	Bk	Bl	Br
X6.17	S28	Grease level	DI	Bk	Bl	Br
X6.18		----- NOT IN USE -----				
X6.19	S05	Wrap arm home position	DI	A.Bk	A.Y	A.R
X6.20	S08	Wrap arm stop	DI	A.Br		
X6.21		----- NOT IN USE -----				
X6.22	S09	Table lower position	DI	Bk	Bl	Br
X6.23	S10	Table upper position	DI	Bk	Bl	Br

Loc.	ID	Description	Type	Hi	Mid	Low
X3.1		----- NOT IN USE -----				
X3.2		----- NOT IN USE -----				
X3.3		----- NOT IN USE -----				
X3.4		----- NOT IN USE -----				
X3.5	S30	Chamber pressure	AI	Wh		Br
X3.6	S29	Feed hopper US-sensor	AI	Gy	Bl	Br
X3.7	S44	Feed hopper start	DI	C.Gn		
X3.8	S45	Feed hopper stop	DI	C.R		
X3.9		----- NOT IN USE -----				
X3.10	-	F25 control supply (5V)	REF	C.Br		
X3.11		----- NOT IN USE -----				
X3.12		----- NOT IN USE -----				
X3.13	S16	Chamber dampening	DI	Bk	Bl	Br
X3.14	S22	Net knife closed	DI	Bk	Bl	Br
X3.15		----- NOT IN USE -----				
X3.16	S47	Thermo switch	DI	R		Y
X3.17		Cable detection	DI	X12.8		
X3.18		----- NOT IN USE -----				
X3.19		----- NOT IN USE -----				
X3.20	S31	Chamber speed	PI	Bk	Bl	Br
X3.21	S32	Net control	PI	Bk	Bl	Br
X3.22	S35	Elevator speed	PI	Bk	Bl	Br
X3.23		----- NOT IN USE -----				

Loc.	ID	Description	Type	Hi	Mid	Low
X7.1		----- NOT IN USE -----				
X7.2	-	V5 reference voltage				
X7.3		----- NOT IN USE -----				
X7.4		----- NOT IN USE -----				
X7.5	S42	Flip up	DI	C.Wh		
X7.6	S43	Flip down	DI	C.Bk		
X7.7		----- NOT IN USE -----				
X7.8		----- NOT IN USE -----				
X7.9		----- NOT IN USE -----				
X7.10		----- NOT IN USE -----				
X7.11		----- NOT IN USE -----				
X7.12		----- NOT IN USE -----				
X7.13		----- NOT IN USE -----				
X7.14		----- NOT IN USE -----				
X7.15		----- NOT IN USE -----				
X7.16	S33	RF remote ctrl. Stop (OPT)	DI	Wh		
X7.17		Cable detection	DI	X13.2		
X7.18		----- NOT IN USE -----				
X7.19	S11	Film sensor 1	PI	A.Bl		
X7.20	S12	Film sensor 2	PI	A.Gn		
X7.21	S34	RF remote ctrl. Drop (OPT)	DI	Bk		
X7.22	S46	RF remote ctrl. Aux (OPT)	DI	Gy		
X7.23		----- NOT IN USE -----				

Bl = blue, Bk = black, Br = brown, Gy = gray, Gn = Green, Wh = white, R = red, Y = yellow. A = 7-lead cable from wrapper. B = 5-lead cable from film sys. remote ctrl. C=7-lead cable from F25 control

Loc.	Terminal block function	Comment
X10.0	Fuse - wrapper guard valve	3 A
X10.1	Fuse - display unit	3 A
X10.2	Fuse - lights, alternator	10 A
X10.3	Fuse - Emergency stop circuit	5 A
X10.4	Fuse - cooler fan	15 A
X10.5	Fuse - CU1 (chamber)	15 A
X10.6	Fuse - CU2 (wrapper)	15 A
X11.1	Main power, positive, 24 Vdc	
X11.2	Main power, negative, GND	
X12.1	GND - Chamber	
X12.2	GND - Wrapper	
X12.3	GND - I/O	
X12.4	GND - I/O	
X12.5	GND - I/O	
X12.6	GND	
X12.7	GND	
X12.8	GND	
X13.1	Supply - CU1	870-831
X13.2	Supply - CU2	870-831
X13.3	E-stop relay	870-831
X13.4	E-Stop circuit	870-826
X13.5	E-Stop circuit	870-826
X13.6	Various	870-826
X13.7	Various	870-826
X13.8	LED lamps	870-831
X13.9	Lights, alternator, auxiliary	870-831
X13.10	Lights, alternator, auxiliary	870-831
X13.11	Film storage	870-831
X13.12	CANbus, high	870-831
X13.13	CANbus, high	870-831
X13.14	CANbus, low	870-831
X13.15	CANbus, low	870-831

Left	Middle-left	Middle	Middle-right	Right
		-		W. guard valve
		-		Display unit [Br]
		-		To X13.9
		-		To X13.5
		-		Cooler fan [R]
		-		E-stop relay, 1
		-		E-stop relay, 3
-		-		Battery, positive
-		-		Battery, negative
Sensor S14 [Wh]		Chamber CU 4.1		Chamber CU 4.3
Cooler fan [Bk]		Wrapper CU 4.1		Wrapper CU 4.3
LED lamp [y]		To X1.11		To X5.11
LED lamp [y]		To X2.11		To X6.11
LED lamp [y]		To X3.11		To X7.11
Check valve [2]		F.storage valve [2]		Display unit [Bl]
E-stop relay, A2				To X3.17 (Ca.de.)
E-stop relay, 2	Cooler fan relays p85		Chamber CU 4.4	Chamber CU 4.5
E-stop relay, 4	To X7.17 (Ca.de.)		Wrapper CU 4.4	Wrapper CU 4.5
E-stop 4 [Bl]	-		To X2.16 (E-stop)	E-stop relay, A1
E-stop 2 [Y]	E-stop 3 [R]		E-stop 3 [Y]	E-stop 4 [Y]
E-stop 2 [R]	E-stop 1 [Y]		E-stop 1 [R]	To X10.3
	-		S1 override switch [Y]	To X5.19
Check valve [1]	Hopper switch [Y]		Charge lamp [Y]	Alternator [R]
LED lamp switch [Y]	LED lamp [R]		LED lamp [R]	LED lamp [R]
LED lamp switch [R]	Hopper switch [R]		Charge lamp [R]	To X10.2
F.storage switch 1 [R]	F.storage switch 2 [R]	Jumper	S1 override switch [R]	
F.storage switch 1 [Y]	F.storage switch 2 [Y]		F.storage valve [1]	
Prog. cable [Y]	-	Jumper	-	Resistor 120 Ohm
Display unit [Wh]	-		Chamber CU 4.2	Wrapper CU 4.2
Display unit [Bk]	-	Jumper	Chamber CU 4.6	Wrapper CU 4.6
Prog. cable [R]	-		-	Resistor 120 Ohm

Bl = blue, Bk = black, Br = brown, Gy = gray, Gn = Green, Wh = white, R = red, Y = yellow

All sensors						
ID	Description	Loc.	Type	Hi	Mid	Low
S01	Bale on wrap table	X5.19	DI	A.Wh		
S03	Table middle position	X5.20	DI	Bk	Bl	Br
S05	Wrap arm home position	X6.19	DI	A.Bk	A.Y	A.R
S07	E-Stop redundancy input	X2.16	DI	X13.3		
S08	Wrap arm stop	X6.20	DI	A.Br		
S09	Table lower position	X6.22	DI	Bk	Bl	Br
S10	Table upper position	X6.23	DI	Bk	Bl	Br
S11	Film sensor 1	X7.19	PI	A.Bl		
S12	Film sensor 2	X7.20	PI	A.Gn		
S14	Oil temperature	X5.12	AI	Bk		
S16	Chamber dampening	X3.13	DI	Bk	Bl	Br
S17	Chamber opened	X1.19	DI	Bk	Bl	Br
S18	Chamber closed	X1.20	DI	Bk	Bl	Br
S19	Feed rollers opened	X2.19	DI	Bk	Bl	Br
S20	Feed rollers closed	X2.20	DI	Bk	Bl	Br
S22	Net knife closed	X3.14	DI	Bk	Bl	Br
S27	Oil level	X6.16	DI	Bk	Bl	Br
S28	Grease level	X6.17	DI	Bk	Bl	Br
S29	Feed hopper US-sensor	X3.6	AI	Gy	Bl	Br
S30	Chamber pressure	X3.5	AI	Wh		Br
S31	Chamber speed	X3.20	PI	Bk	Bl	Br
S32	Net control	X3.21	PI	Bk	Bl	Br
S33	RF remote ctrl. Stop (OPT)	X7.16	DI	Wh		
S34	RF remote ctrl. Drop (OPT)	X7.21	DI	Bk		
S35	Elevator speed	X3.22	PI	Bk	Bl	Br
S37	Remote open feed rollers	X2.17	DI	B.Bl		B.Br
S38	Remote close feed rollers	X2.22	DI	B.Y		
S39	Remote start net	X2.23	DI	B.Gn		
S41	Elevator load (pressure)	X2.12	AI	Wh		Br
S42	Flip up	X7.5	DI	C.Wh		
S43	Flip down	X7.6	DI	C.Bk		
S44	Feed hopper start	X3.7	DI	C.Gn		
S45	Feed hopper stop	X3.8	DI	C.R		
S46	RF remote ctrl. Aux (OPT)	X7.22	DI	Gy		
S47	Thermo switch	X3.16	DI	R		Y

Valves, HIC1, HIC2 and HIC3						
ID	Description	Loc.	Type	Hi	Mid	Low
V01	Sub conveyor bypass	X2.1	DO	·1	·2	
V02	Chamber open	X1.1	DO	·1	·2	
V03	Chamber close	X1.2	DO	·1	·2	
V04	Wrapper bypass off	X1.3	DO	·1	·2	
V05	Table up	X5.1	DO	·1	·2	
V06	Table down	X5.2	DO	·1	·2	
V07	Run wrap table	X5.3	DO	·1	·2	
V08	Net knife cut	X1.14	DO	·1	·2	
V09	Wrap arm slow	X5.7	DO	·1	·2	
V10	Wrap arm fast	X5.8	DO	·1	·2	
V11	Film knife open	X5.14	DO	·1	·2	
V12	Film knife close	X5.15	DO	·1	·2	
V13	Grease pump	X5.4	DO	Bl		
V13	Grease pump FB	X5.5	DO	Br		
V17	Net feed rollers open	X1.15	DO	·1	·2	
V18	Net feed rollers close	X1.16	DO	·1	·2	
V19	Net feed motor	X1.17	DO	·1	·2	
V24	Sub conveyor on	X2.8	DO	·1	·2	
V25	Feed hopper on	X2.6	DO	·1	·2	
V30	Wrapper and door speed	X6.1	PWM	·1		
V30	Wrapper and door speed FB	X6.3	FB	·2		
V31	Bale drop warning buzzer	X5.17	DO	R	Y	
V32	Chamber speed	X2.5	PWM	·1		
V32	Chamber speed FB	X2.4	FB	·2		
V33	Cooler fan run (suck)	X2.18	DO	Bk		
V34	Cooler fan reverse (blow)	X2.21	DO	Bk		
V35	Air cleaning, door (OPT)	X1.18	DO	·1		·2
V36	Elevator speed	X1.7	PWM	·1		
V36	Elevator speed FB	X1.6	FB	·2		
V37	S.conveyor & F.hopper speed	X2.2	PWM	·1		
V37	S.conveyor & F.hopper speed FB	X2.3	FB	·2		
V39	Elevator bypass	X2.7	DO	·1	·2	
V40	Net brake release	X1.8	DO	·1	·2	

Valves, HIC4 (F25)						
ID	Description	Loc.	Type	Hi	Mid	Low
V51	Run feed hopper	X2.9	DO	·1	·2	
V52	Run flip	X2.10	DO	·1	·2	
V53	Flip change direction	X6.5	DO	·1	·2	
V54	Flip check right	X6.6	DO	·1	·2	
V55	Flip check left	X6.7	DO	·1	·2	
V56	Auger bypass	X5.16	DO	·1	·2	

Inductive sensors					
ID	Description	Loc.	Hi	Mid	Low
S03	Table middle position	X5.20	Bk	Bl	Br
S05	Wrap arm home position	X6.19	A.Bk	A.Y	A.R
S08	Wrap arm stop	X6.20	A.Br		
S09	Table lower position	X6.22	Bk	Bl	Br
S10	Table upper position	X6.23	Bk	Bl	Br
S11	Film sensor 1	X7.19	A.Bl		
S12	Film sensor 2	X7.20	A.Gn		
S16	Chamber dampening	X3.13	Bk	Bl	Br
S17	Chamber opened	X1.19	Bk	Bl	Br
S18	Chamber closed	X1.20	Bk	Bl	Br
S19	Feed rollers opened	X2.19	Bk	Bl	Br
S20	Feed rollers closed	X2.20	Bk	Bl	Br
S22	Net knife closed	X3.14	Bk	Bl	Br
S31	Chamber speed	X3.20	Bk	Bl	Br
S32	Net control	X3.21	Bk	Bl	Br
S35	Elevator speed	X3.22	Bk	Bl	Br

Other sensors and switches					
ID	Description	Loc.	Hi	Mid	Low
S01	Bale on wrap table	X5.19	A.Wh		
S29	Feed hopper US-sensor	X3.6	Gy	Bl	Br
S14	Oil temperature	X5.12	Bk		
S27	Oil level	X6.16	Bk	Bl	Br
S28	Grease level	X6.17	Bk	Bl	Br
S30	Chamber pressure	X3.5	Wh		Br
S41	Elevator load (pressure)	X2.12	Wh		Br
S07	E-Stop redundancy input	X2.16	X13.3		
S47	Thermo switch	X3.16	R		Y

Directional valves and check valves, HIC1, HIC2 and HIC3					
ID	Description	Loc.	Hi	Mid	Low
V01	Sub conveyor bypass	X2.1	-1	-2	
V02	Chamber open	X1.1	-1	-2	
V03	Chamber close	X1.2	-1	-2	
V04	Wrapper bypass off	X1.3	-1	-2	
V05	Table up	X5.1	-1	-2	
V06	Table down	X5.2	-1	-2	
V07	Run wrap table	X5.3	-1	-2	
V08	Net knife cut	X1.14	-1	-2	
V09	Wrap arm slow	X5.7	-1	-2	
V10	Wrap arm fast	X5.8	-1	-2	
V11	Film knife open	X5.14	-1	-2	
V12	Film knife close	X5.15	-1	-2	
V17	Net feed rollers open	X1.15	-1	-2	
V18	Net feed rollers close	X1.16	-1	-2	
V19	Net feed motor	X1.17	-1	-2	
V24	Sub conveyor on	X2.8	-1	-2	
V25	Feed hopper on	X2.6	-1	-2	
V31	Bale drop warning buzzer	X5.17	R	Y	
V33	Cooler fan run (suck)	X2.18	Bk		
V34	Cooler fan reverse (blow)	X2.21	Bk		
V35	Air cleaning, door (OPT)	X1.18	-1		-2
V39	Elevator bypass	X2.7	-1	-2	
V40	Net brake release	X1.8	-1	-2	

Sensors, 7-lead cable from wrapper					
ID	Description	Loc.	Hi	Mid	Low
S01	Bale on wrap table	X5.19	A.Wh		
S05	Wrap arm home position	X6.19	A.Bk	A.Y	A.R
S08	Wrap arm stop	X6.20	A.Br		
S11	Film sensor 1	X7.19	A.Bl		
S12	Film sensor 2	X7.20	A.Gn		

Film system remote control					
ID	Description	Loc.	Hi	Mid	Low
S37	Remote open feed rollers	X2.17	B.Bl		B.Br
S38	Remote close feed rollers	X2.22	B.Y		
S39	Remote start film system	X2.23	B.Gn		

F25 hopper remote control					
ID	Description	Loc.	Hi	Mid	Low
-	F25 control supply	X3.10	C.Br		
S42	Flip up	X7.5	C.Wh		
S43	Flip down	X7.6	C.Bk		
S44	Feed hopper start	X3.7	C.Gn		
S45	Feed hopper stop	X3.8	C.R		

Radio remote control					
ID	Description	Loc.	Hi	Mid	Low
S33	RF remote ctrl. Stop (OPT)	X7.16	Wh		
S34	RF remote ctrl. Drop (OPT)	X7.21	Bk		
S46	RF remote ctrl. Aux (OPT)	X7.22	Gy		

Proportional valves, pump servo and grease pump (PWM)					
ID	Description	Loc.	Hi	Mid	Low
V13	Grease pump	X5.4	Bl		
V13	Grease pump FB	X5.5	Br		
V30	Wrapper and door speed	X6.1	-1		
V30	Wrapper and door speed FB	X6.3	-2		
V32	Chamber speed pump	X2.5	-1		
V32	Chamber speed pump FB	X2.4	-2		
V36	Elevator speed	X1.7	-1		
V36	Elevator speed FB	X1.6	-2		
V37	S.conveyor & F.hopper speed	X2.2	-1		
V37	S.conveyor & F.hopper speed FB	X2.3	-2		

Valves, HIC4 (F25)					
ID	Description	Loc.	Hi	Mid	Low
V51	Run feed hopper	X2.9	-1	-2	
V52	Run flip	X2.10	-1	-2	
V53	Flip change direction	X6.5	-1	-2	
V54	Flip check right	X6.6	-1	-2	
V55	Flip check left	X6.7	-1	-2	
V56	Auger bypass	X5.16	-1	-2	

Cable detection (Automatic controller identification)					
ID	Description	Loc.	Hi	Mid	Low
	Cable detection	X3.17	X12.8		
	Cable detection	X7.17	X13.2		