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Electrical Documentation

File 1: General Diagrams and Descriptions and Circuit Diagrams

Contents:

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SCHADE AUMUND GROUP

Schade Lagertechnik GmbH

Project description	**Belt Conveyor 521 BC 05 Tonasa**
Project	20.226
Job number	27/04/2010
Commission	12344

Manufacturer (company)	Schade Lagertechnik GmbH Dorstener Straße 360 44653 Herne

Manufacturing date	2010
Enclosures	RITTAL TS 8 series
Control voltage	220V AC / 24V DC
Power supply	380 V AC
Regulation	DIN VDE 0100/DIN EN 60439-1

Responsible for project	Herr Dauterstedt
Eplan	Frau Schmidt
Created on	04.08.2010
Edit date	20.10.2010

Number of pages 267

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=521BC05+MC2.02/4	Control circuit 24V DC	040	20.10.2010	Schmidt	
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=521BC05+MC1.03/1	lighting circuit	042	20.10.2010	Schmidt	
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=521BC05+MC1.04/1	Panel light and heater	046	20.10.2010	Schmidt	
=521BC05+MC2.04/1	Panel light and heater	047	20.10.2010	Schmidt	
=521BC05+MC1.05/1	Basic-Rack	048	20.10.2010	Schmidt	
=521BC05+MC1.05/2	ET200S	049	20.10.2010	Schmidt	
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=521BC05+MC1.91/5	Power cable reeling drum	116	20.10.2010	Schmidt	
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=521BC05+STKL/1.a	Parts list : SIE.3RV1901-1E - RICH.LL14-SK-R	118	20.10.2010	Schmidt	X
=521BC05+STKL/1.b	Parts list : RICH.LL14-SK-R - SIE.6ES7131-4BD01-0AA0	119	20.10.2010	Schmidt	X
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=521BC05+Cable/1.b	Cable overview : W46 - W84	126	20.10.2010	Schmidt	X
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=521BC05+Clamps/35	Terminal diagram =521BC05+MC2.20-X06	258	20.10.2010	Schmidt	X
=521BC05+Clamps/36	Terminal diagram =521BC05+MC1.91-X01	259	20.10.2010	Schmidt	X
=521BC05+Clamps/37	Terminal diagram =521BC05+MC1.91-X03	260	20.10.2010	Schmidt	X
=521BC05+Clamps/38	Terminal diagram =521BC05+MC1.91-X06	261	20.10.2010	Schmidt	X
=521BC05+Clamps/39	Terminal diagram =521BC05+JB.20-X03	262	20.10.2010	Schmidt	X
=521BC05+Clamps/40	Terminal diagram =521BC05+MC2-02-X01	263	20.10.2010	Schmidt	X
=521BC05+Clamps/41	Terminal diagram =521BC05+JB.91-X03	264	20.10.2010	Schmidt	X

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Column X: An automatically generated page was edited

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Page	Page description	supplementary page field	Date	Edited by	X
=521BC05+Clamps/41.a	Terminal diagram =521BC05+JB.91-X03	265	20.10.2010	Schmidt	X
=521BC05+Clamps/42	Terminal diagram =521BC05+JB.21-X03	266	20.10.2010	Schmidt	X
=521BC05+Clamps/43	Terminal diagram =521BC05+MO9-X	267	20.10.2010	Schmidt	X
=521BC05+Clamps/44	Terminal diagram =+	268	20.10.2010	Schmidt	X

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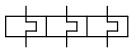
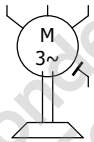
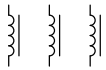
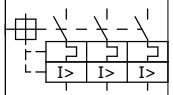
sign	designation	note	sign	designation	note	sign	designation	note	sign	designation	note
	B	overload relay		E	heater		M	motor		Q	contactor
	B	level switch NO		F	circuit breaker 1-pole		M	duble winding motor		Q	main contact
	B	level switch NC		F	circuit breaker 3-pole		M	motor brake		R	coil
	B	termistor		K	relay					R	resistor
	B	initiator		K	contact NO		P	counter		R	diode
	E	hooter		K	contact NC		P	Amperemeter		S	Emergency-stop push button
	E	lighting		K	contact NC delay		P	Voltmeter		S	push button NO
	E	lamp		K	contact CO		Q	circuit breaker		S	push button NC
	E	flashlight		K	valve		Q	undervoltage coil (inside circuit breaker)		S	key operated switch NO

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Designation		20.226	= 521BC05
			Ed.	Schmidt					27/04/2010	+ GEN
			Appr	Dauterstedt					12344	Page 7 of 11
Modification	Date	Name	Original		Replacement of	Replaced by				011

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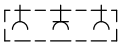
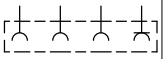
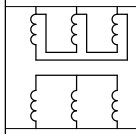
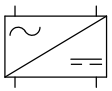
sign	designation	note	sign	designation	note	sign	designation	note	sign	designation	note
	S	key operated switch NC		V	sinus-filter						
	S	selector switch NO		X	terminal						
	S	selector switch NC		X	socket 1-pole						
	S	end switch NO		X	socket 3-pole						
	S	end switch NC									
		transformer 2-pole									
	T	transformer 3-pole									
	T	current transformer									
	T	power supply									

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7 10

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Designation		20.226	= 521BC05
			Ed.	Schmidt					27/04/2010	+ GEN
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GEN	General information
SIN	Single Line Diagram
LAY	Layout
01	Main Power Supply
02	Control Supply
03	Lighting
04	HVAC (Heating, Ventilation, Aircondition)
05	PLC
06	Interface Wla
09	Safety Devices
11	Chain drive main boom
12	Chain drive aux.boom
15	Chain Lubrication
20	Travel drive
31	Hoist drive main boom
32	Hoist drive aux. boom
91	Power cable reeling drumm

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Designation	voltage	Color		Terminal strip
Main power circuit	380V AC /220V AC	black	bk	-X00 / -X01
Transformer circuit		withe	wh	-X02
Control voltage	220V AC	red	rd	-X03
Control voltage	220V AC	red	rd	-X03.1 Under voltage even when the main switch triggered
Control voltage	220V DC	brown	bn	-X04
Control voltage	24V DC	blue	bu	-X05
Analog signals		withe	wh	-X06
Floating contacts		orange	or	-X07
Neutral conductor		blue	bu	
Protective ground		green/yellow	gn/ye	

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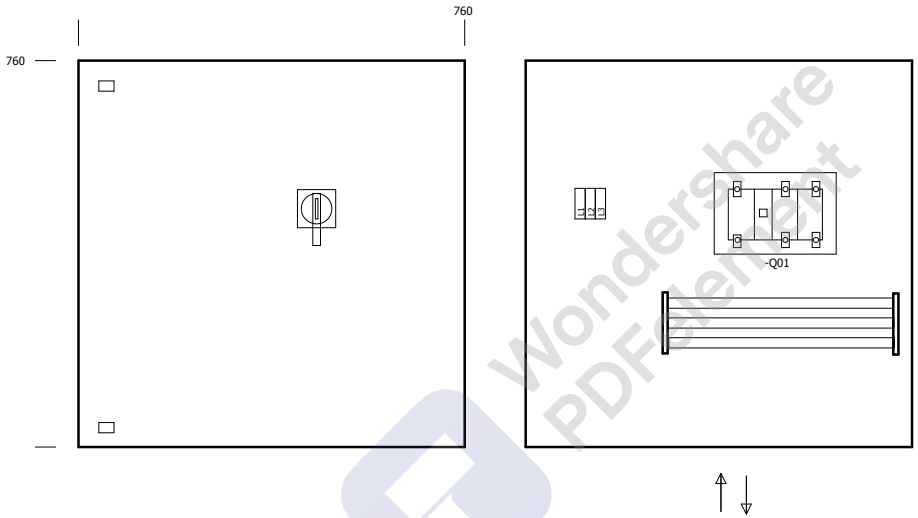

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Layout DS1		20.226	= 521BC05
			Ed.	Schmidt					27/04/2010	+ LAY
			Appr	Dauterstedt					12344	Page 1 of 5
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0	1	2	3	4	5	6	7

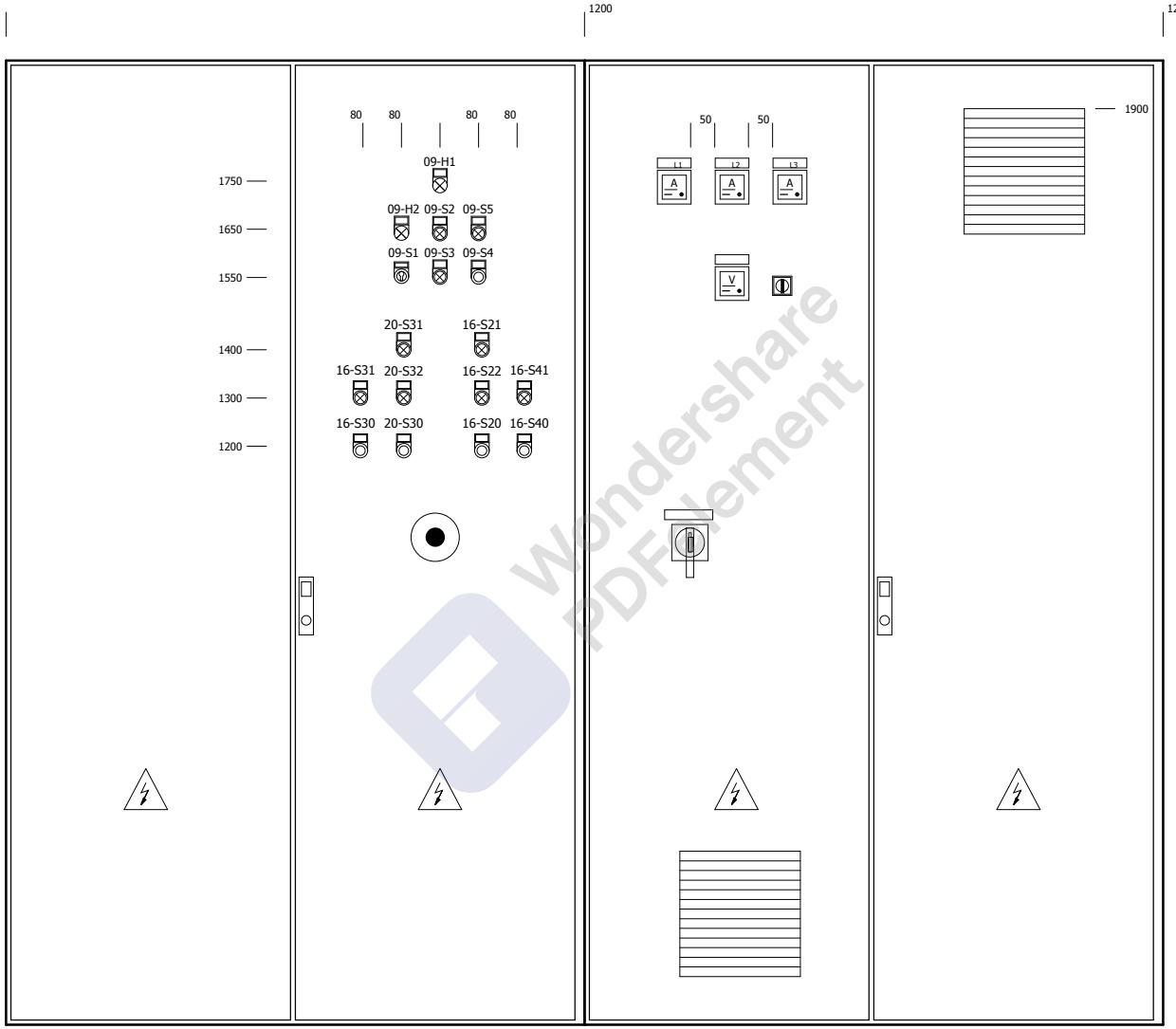
09-H1 group alarm indication
09-H2 Automatic ON
09-S1 Manual-Auto
09-S4 Lamp test
09-S2 Control ON
09-S3 Control OFF
09-S5 Reset

16-S31 Start pile 1
16-S30 Stop pile 1

20-S31 Travel drive Right ON
20-S32 Travel drive Left ON
20-S30 Travel drive OFF

16-S21 Belt drive Right ON
16-S22 Belt drive Left ON
16-S20 Belt drive OFF

16-S41 Start pile 2
16-S40 Start pile 2



Transport unit

Wondershare PDFelement

1 3

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Layout MC1	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ LAY
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Modification	Date	Name	Original		Replacement of	Replaced by			016

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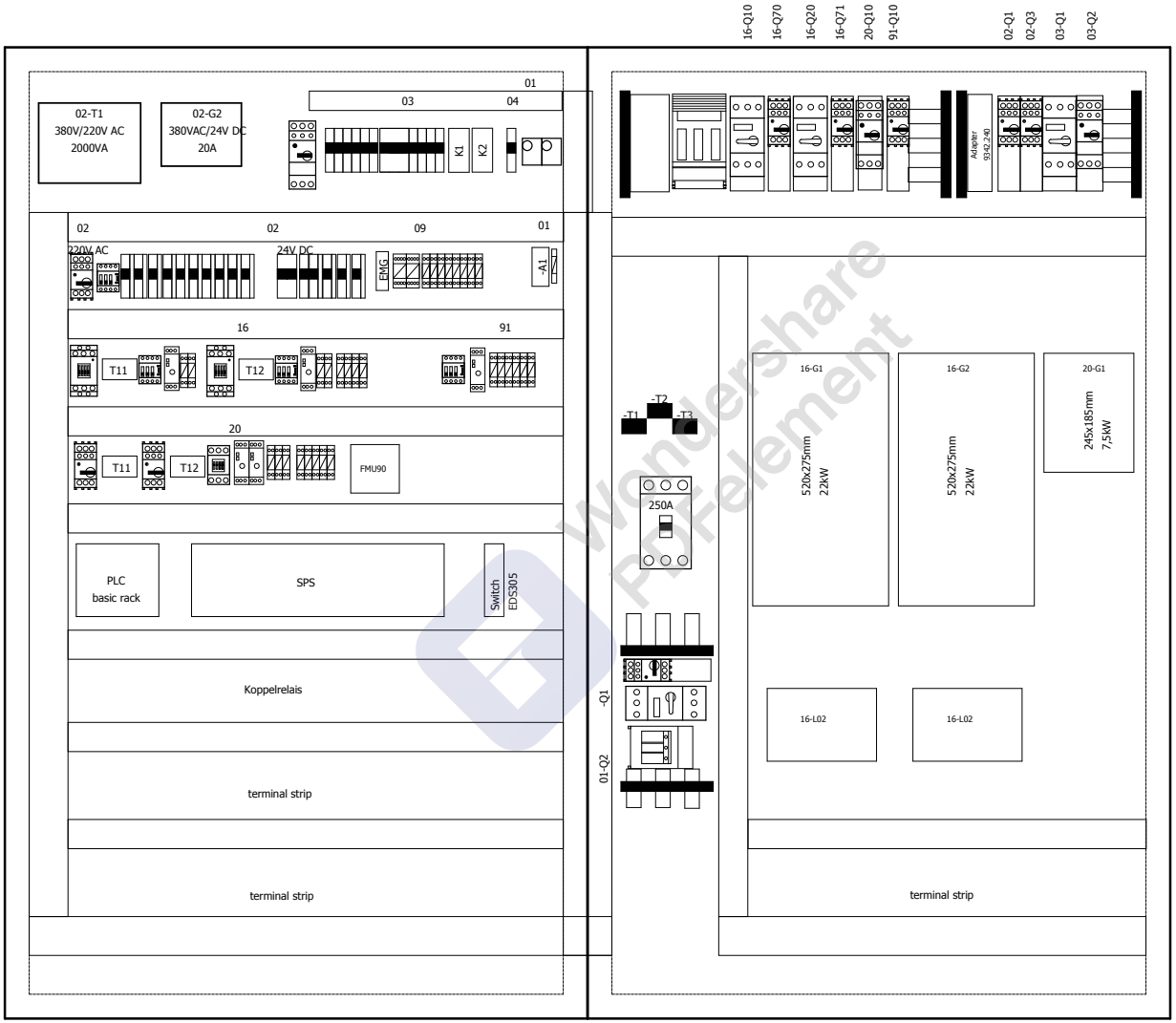
Wondershare PDFelement



Transport unit

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Layout MC1		20.226	= 521BC05
			Ed.	Schmidt					27/04/2010	+ LAY
			Appr	Dauterstedt					12344	Page 3 of 5
Modification	Date	Name	Original		Replacement of	Replaced by				017

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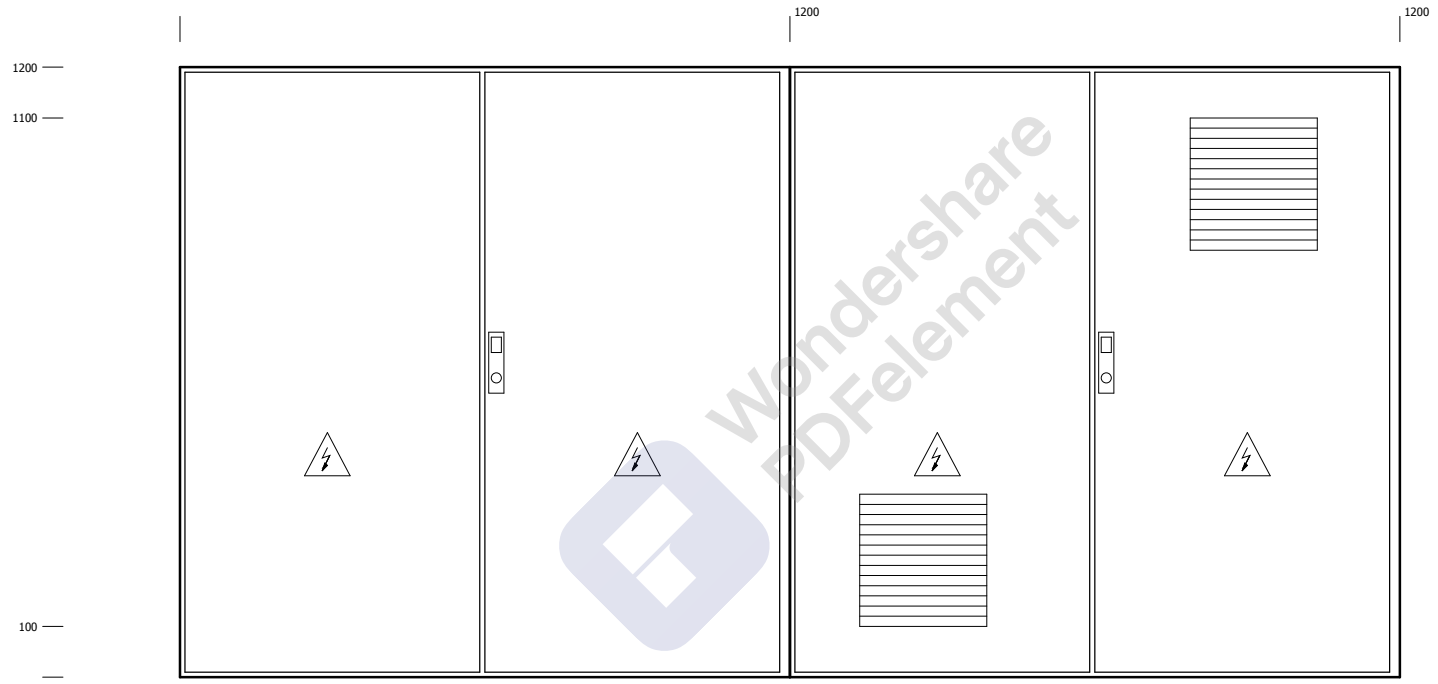
Wondershare PDFelement



Transport unit

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa		SCHADE AUMUND GROUP	Layout MC2	20.226	= 521BC05
			Ed.	Schmidt					27/04/2010	+ LAY
			Appr	Dauterstedt					12344	Page 4 of 5
Modification	Date	Name	Original		Replacement of	Replaced by				018

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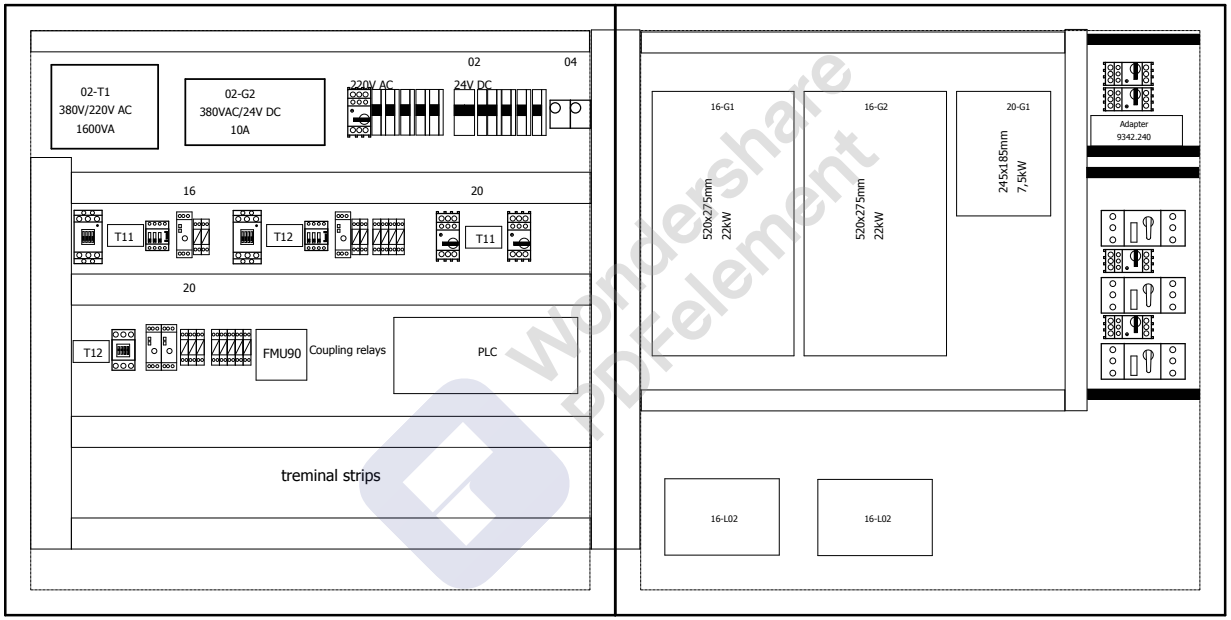

Transport unit

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			Ed.	Schmidt					27/04/2010	+ LAY
			Appr	Dauterstedt					12344	Page 5 of 5
Modification	Date	Name	Original		Replacement of	Replaced by				019

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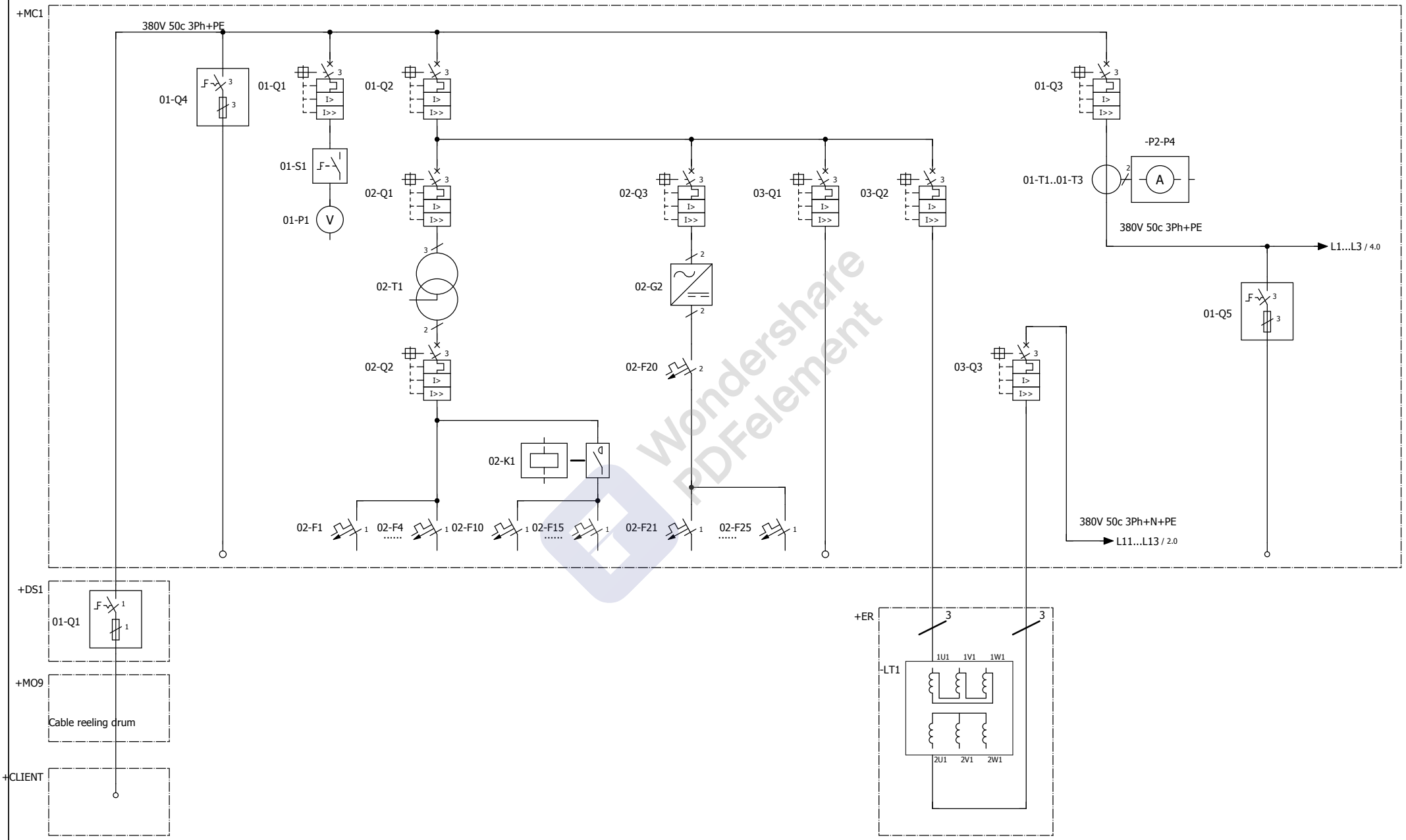

power supply 380V AC | for Control voltage to MC2 | control voltage 220V AC | control voltage 24V DC | spare | Lighting transformer | main power switch | 380V AC to MC2

+LAY/5

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Single Line	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ SIN
			Appr	Dauterstedt				12344	Page 1 of 6
Modification	Date	Name	Original		Replacement of	Replaced by			020

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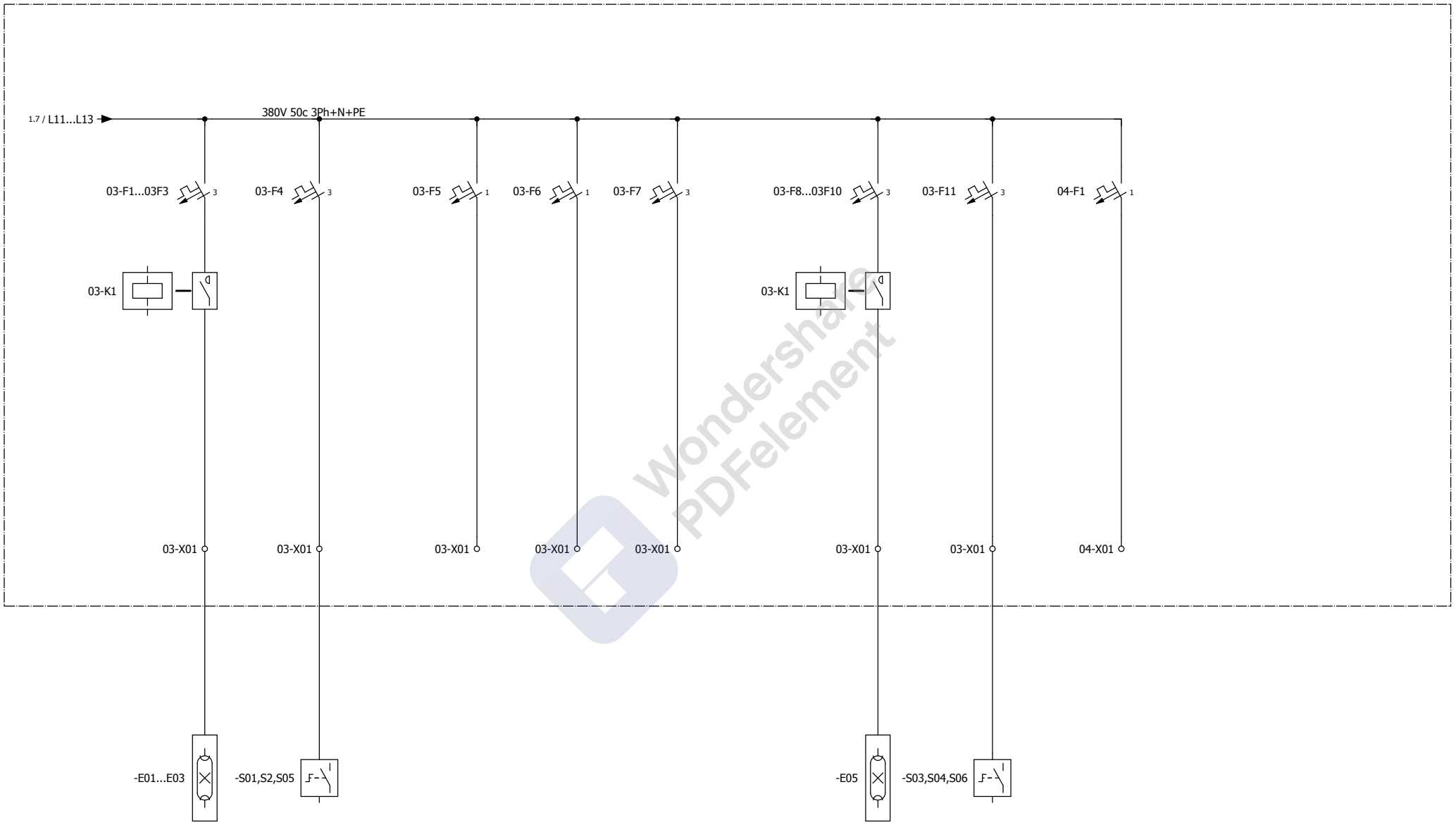

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Single Line	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ SIN
			Appr	Dauterstedt				12344	Page 2 of 6
Modification	Date	Name	Original		Replacement of	Replaced by			021

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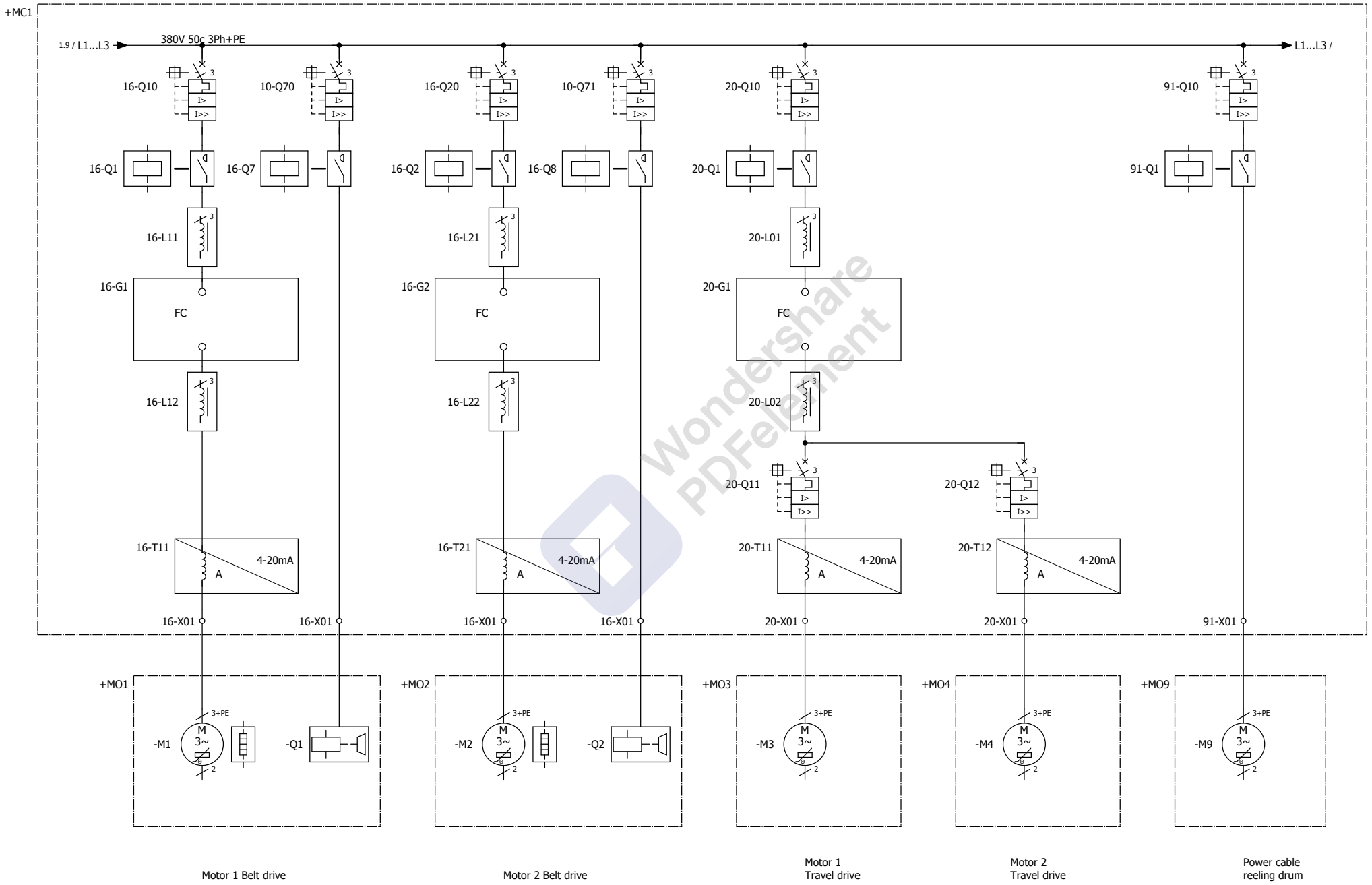
Wondershare PDFelement



			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Single Line	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ SIN
			Appr	Dauterstedt				12344	Page 4 of 6
Modification	Date	Name	Original		Replacement of	Replaced by			022

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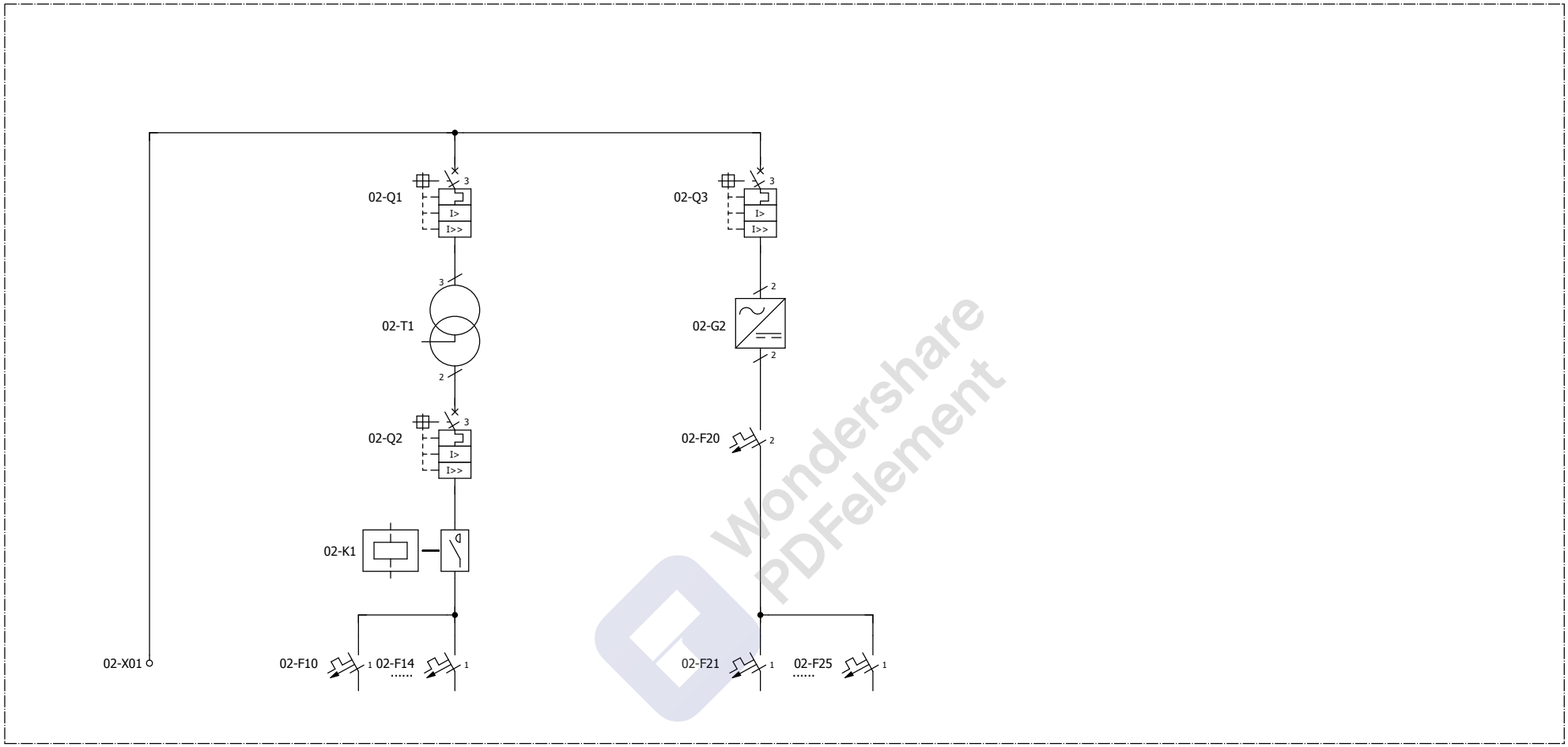
Wondershare PDFelement



for Control voltage
MC2

control voltage
220V AC

control voltage
24V DC

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Single Line		20.226	= 521BC05
			Ed.	Schmidt					27/04/2010	+ SIN
			Appr	Dauterstedt					12344	Page 5 of 6
Modification	Date	Name	Original		Replacement of	Replaced by				023

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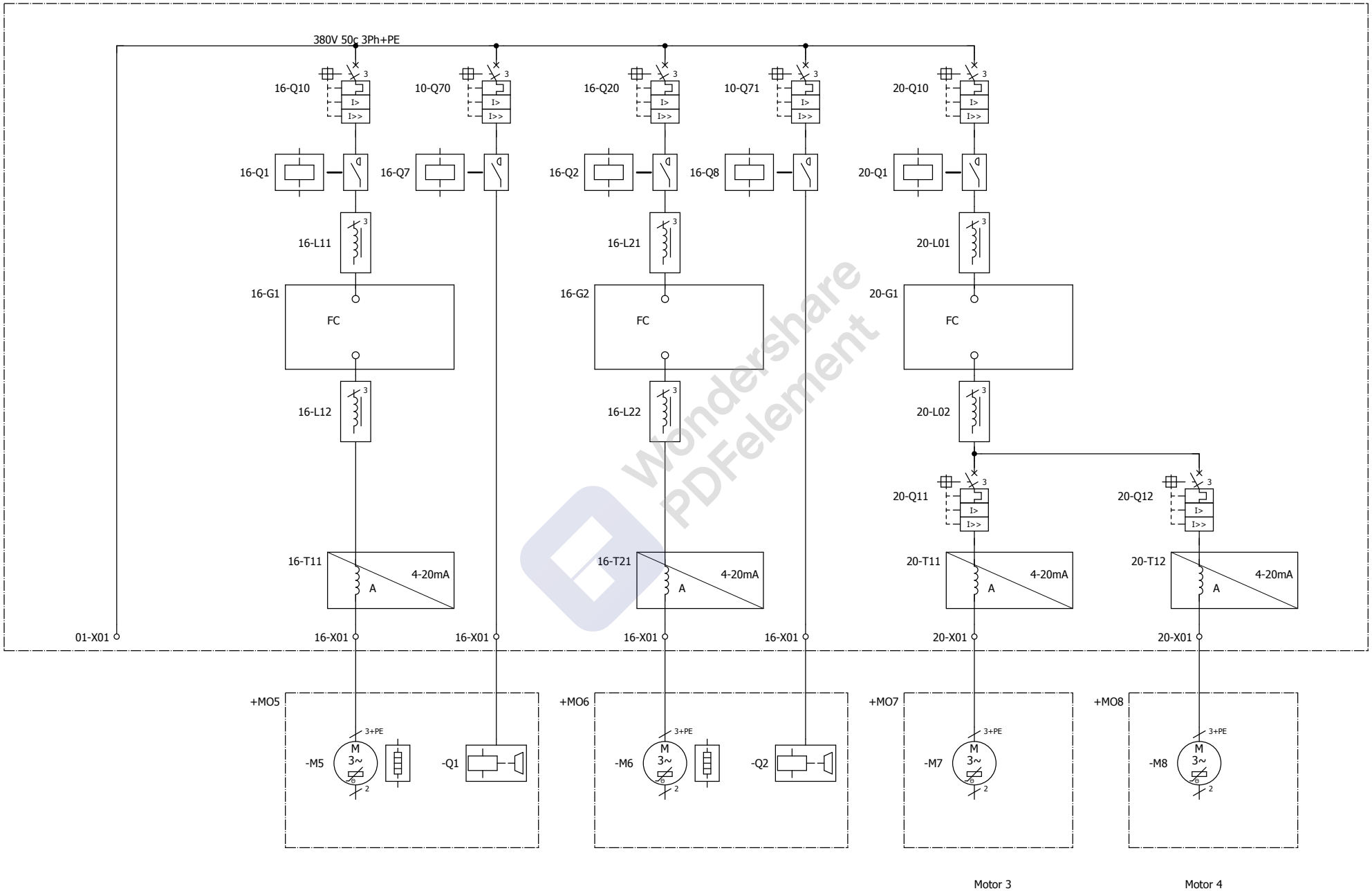
Wondershare PDFelement



			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Single Line	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ SIN
			Appr	Dauterstedt				12344	Page 6 of 6
Modification	Date	Name	Original		Replacement of	Replaced by			024

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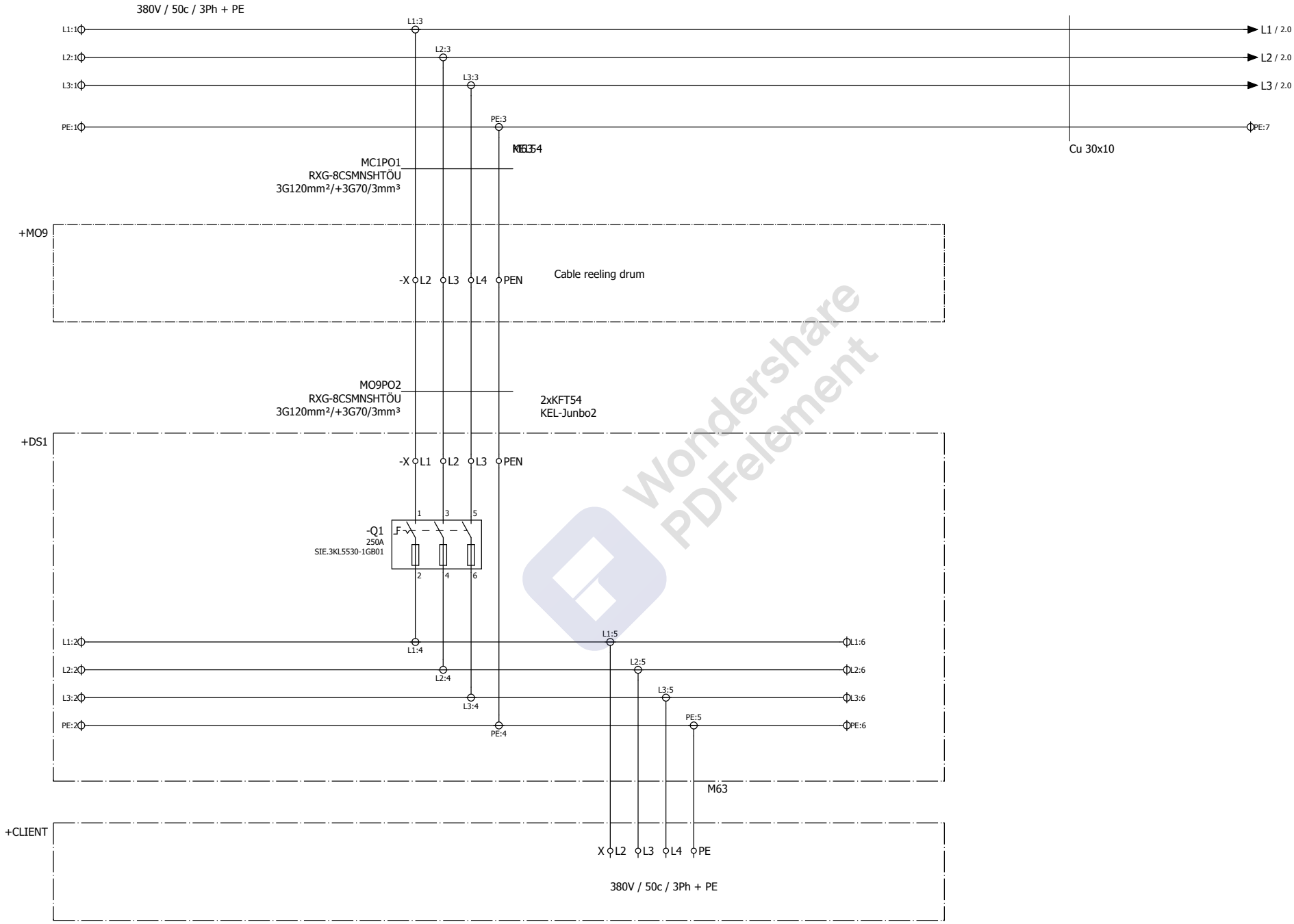

Wondershare PDFelement

+SIN./6

2

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Supply point 380V AC MC1	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.01
			Appr	Dauterstedt				12344	Page 1 of 5
Modification	Date	Name	Original		Replacement of	Replaced by			025

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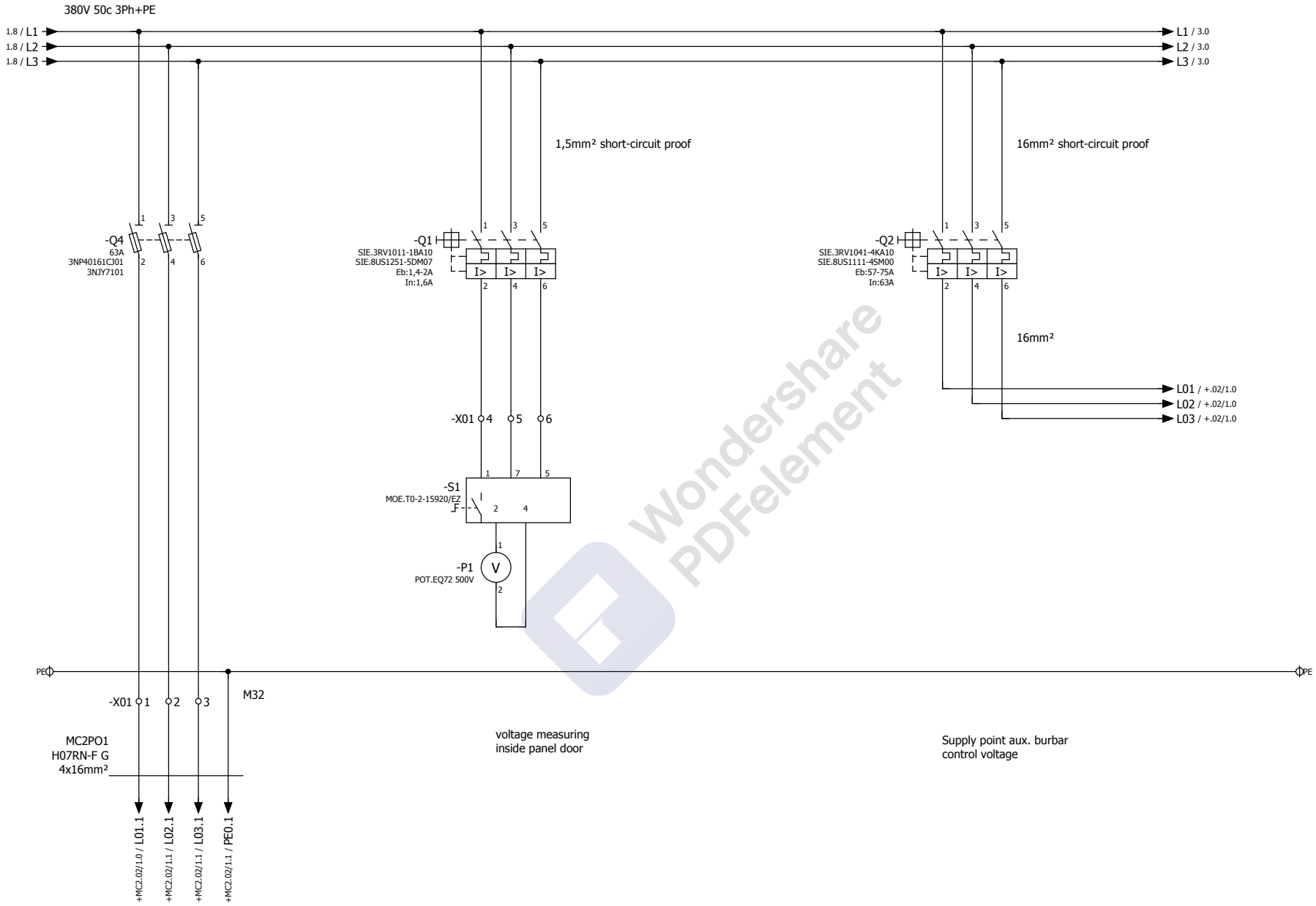

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			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	voltage measuring		20.226	= 521BC05
			Ed.	Schmidt					27/04/2010	+ MC1.01
			Appr	Dauterstedt					12344	Page 2 of 5
Modification	Date	Name	Original		Replacement of	Replaced by				026

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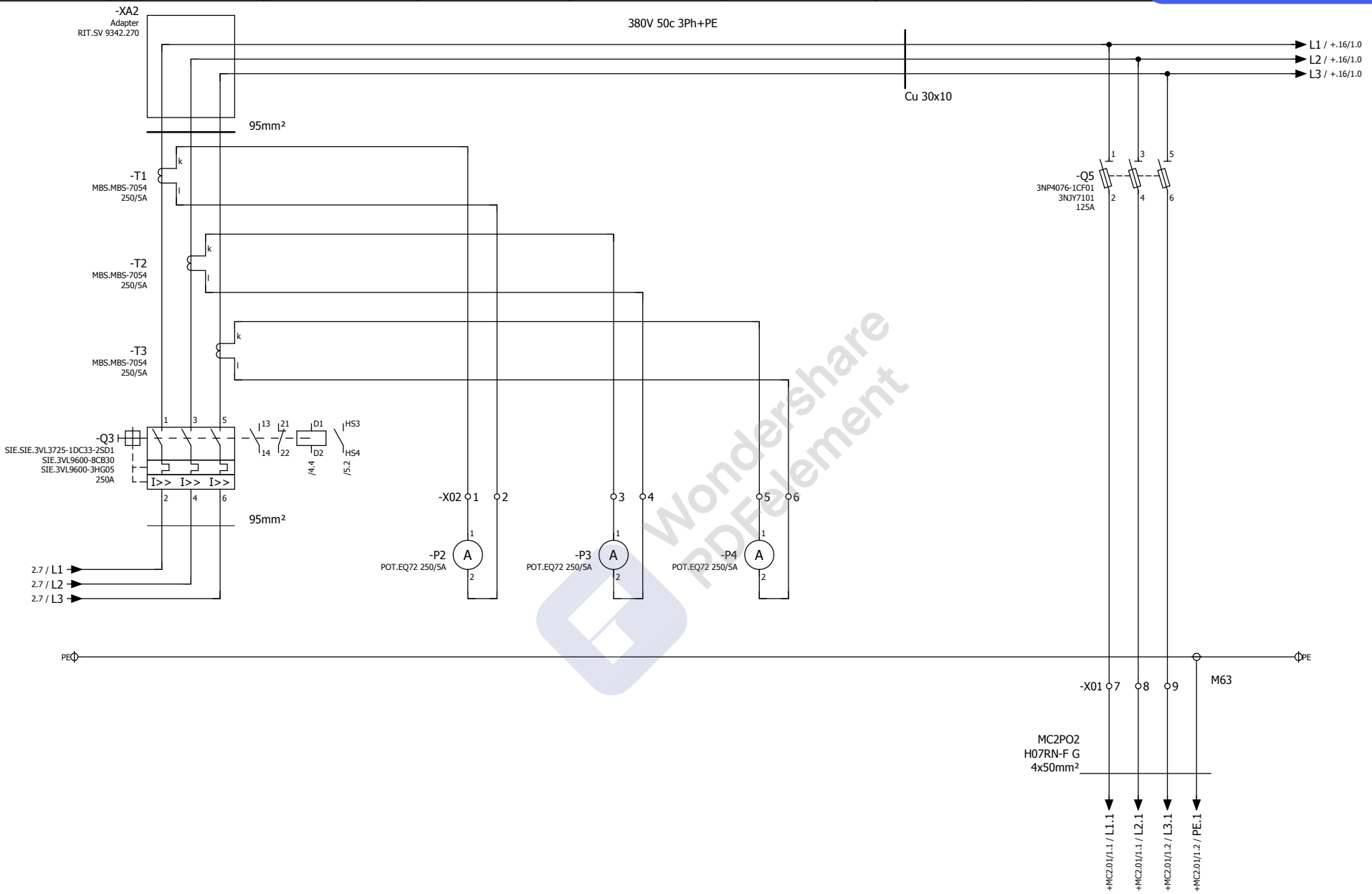

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Main power switch and current measuring	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.01
			Appr	Dauterstedt				12344	Page 3 of 5
Modification	Date	Name	Original		Replacement of	Replaced by			027

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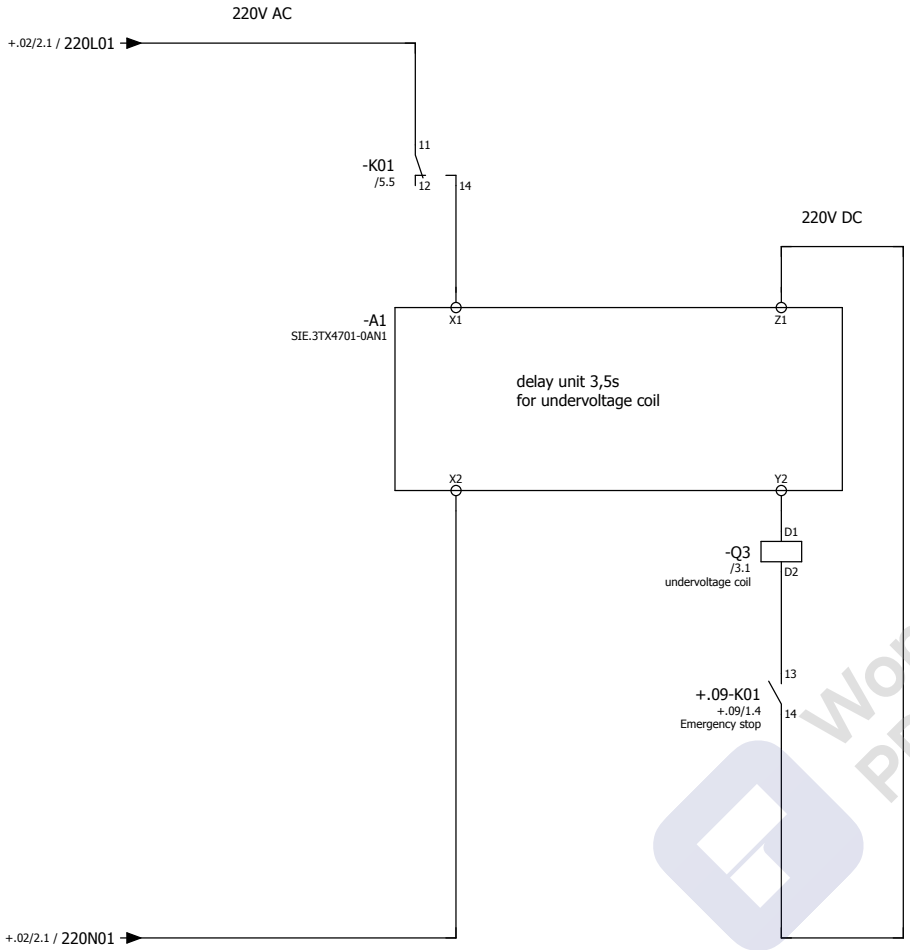

emergency tripped circuit
undelayed tripping

Wondershare PDFelement

3 5

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa		SCHADE AUMUND GROUP	Undervoltage coil		20.226	= 521BC05
			Ed.	Schmidt						27/04/2010	+ MC1.01
			Appr	Dauterstedt						12344	Page 4 of 5
Modification	Date	Name	Original		Replacement of	Replaced by					028

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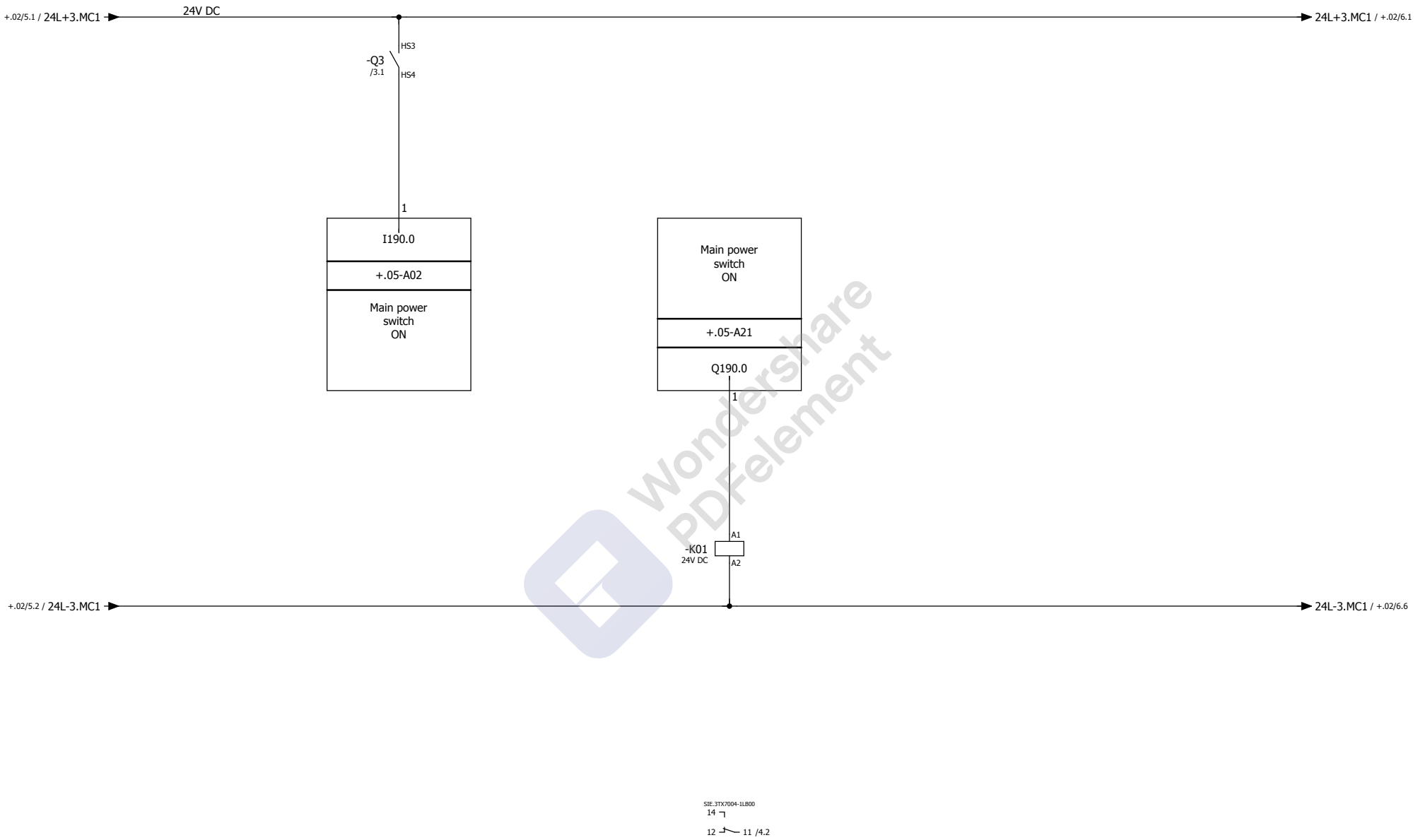

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4 +MC2.01/1

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	PLC	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.01
			Appr	Dauterstedt				12344	Page 5 of 5
Modification	Date	Name	Original		Replacement of	Replaced by			029

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380V AC supply point
MC2

Wondershare PDFelement

+MC1.01/5 +MC1.02/1

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Supply point 380V AC MC2	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC2.01
			Appr	Dauterstedt				12344	Page 1 of 1
Modification	Date	Name	Original		Replacement of	Replaced by			030

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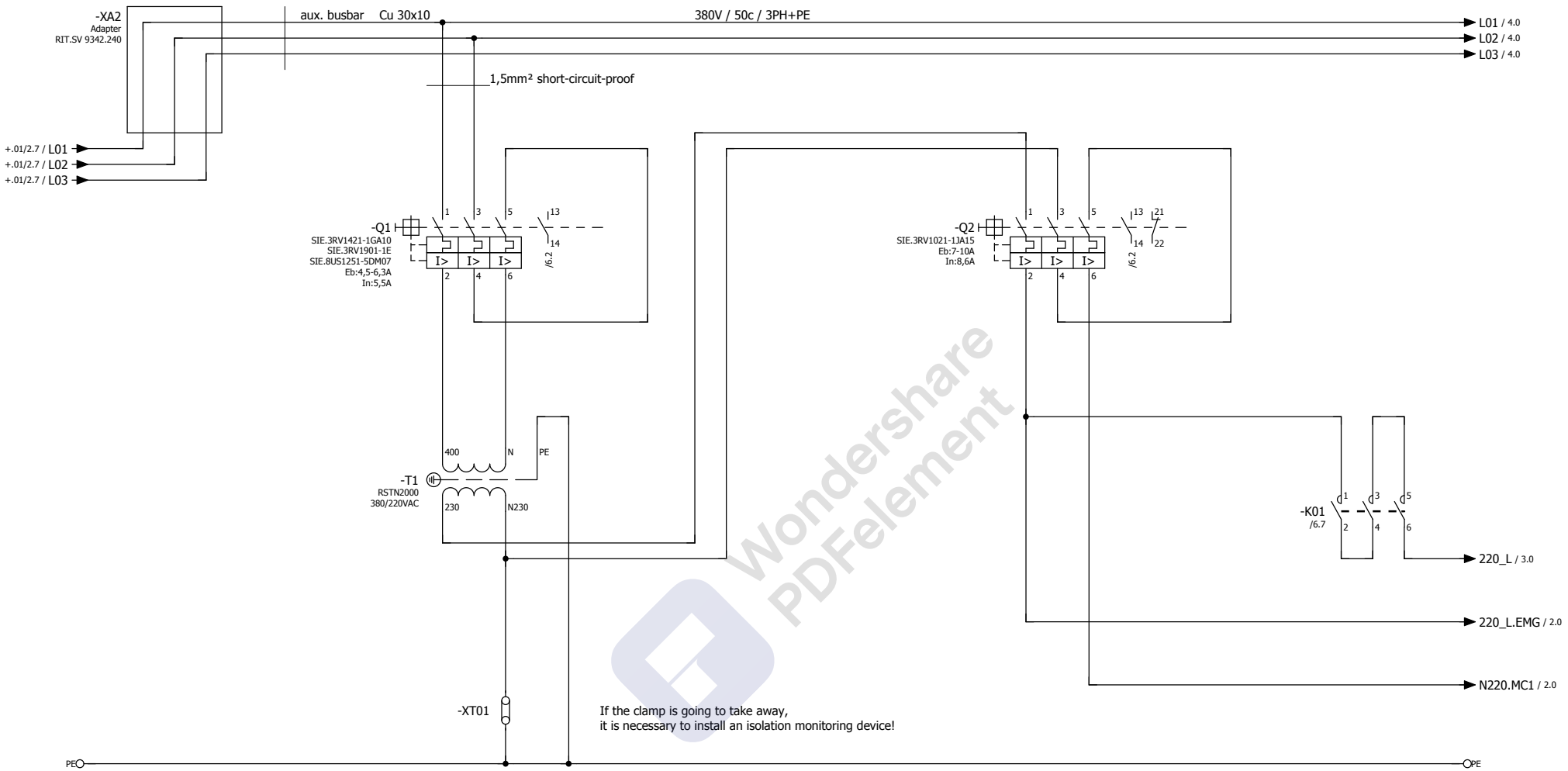

Wondershare PDFelement

+MC2.01/1

2

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Control circuit 220V AC		20.226	= 521BC05
			Ed.	Schmidt					27/04/2010	+ MC1.02
			Appr	Dauterstedt					12344	Page 1 of 6
Modification	Date	Name	Original		Replacement of	Replaced by				031

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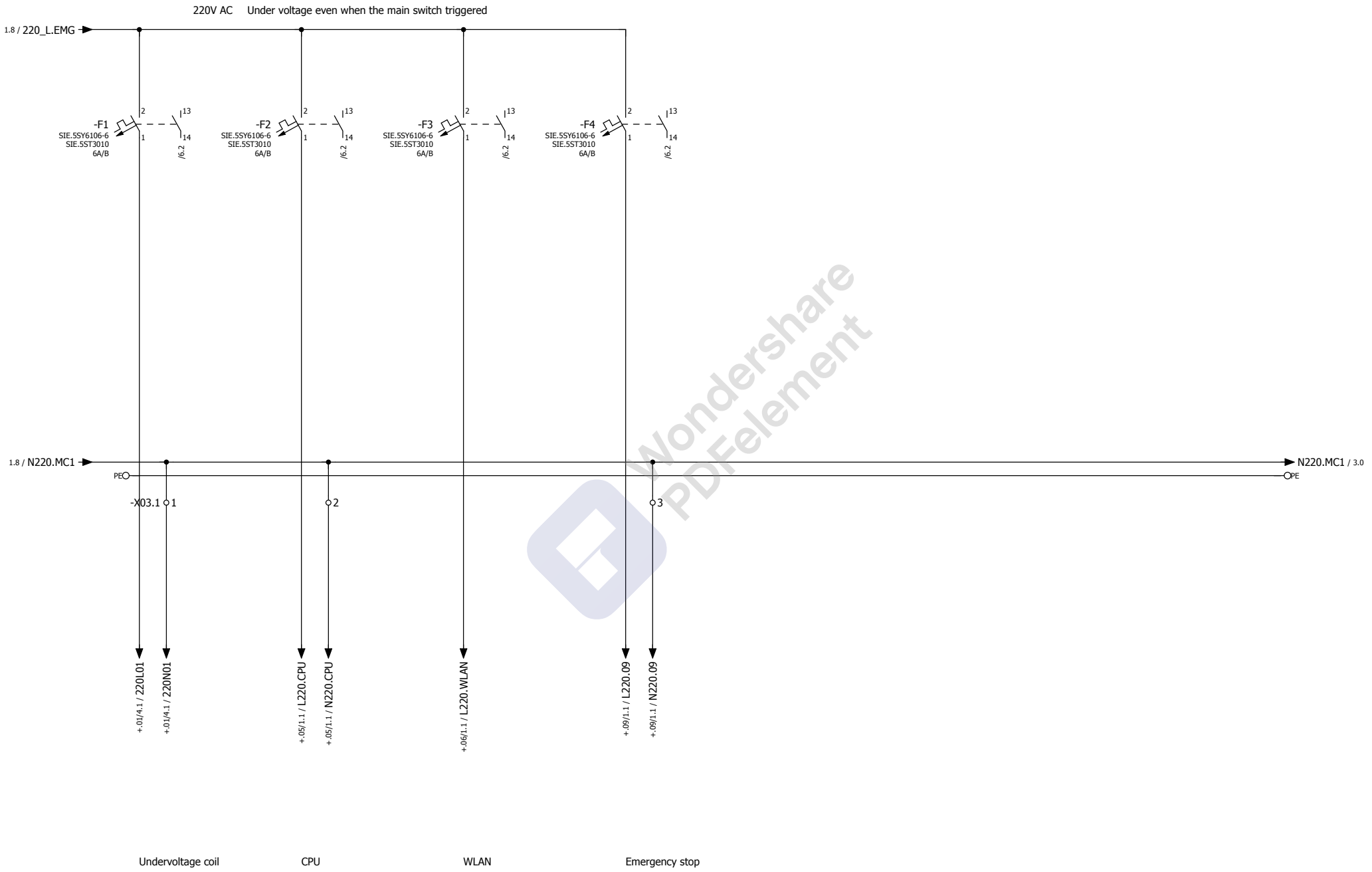

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Control circuit 220V AC		20.226	= 521BC05
			Ed.	Schmidt					27/04/2010	+ MC1.02
			Appr	Dauterstedt					12344	Page 2 of 6
Modification	Date	Name	Original		Replacement of	Replaced by				032

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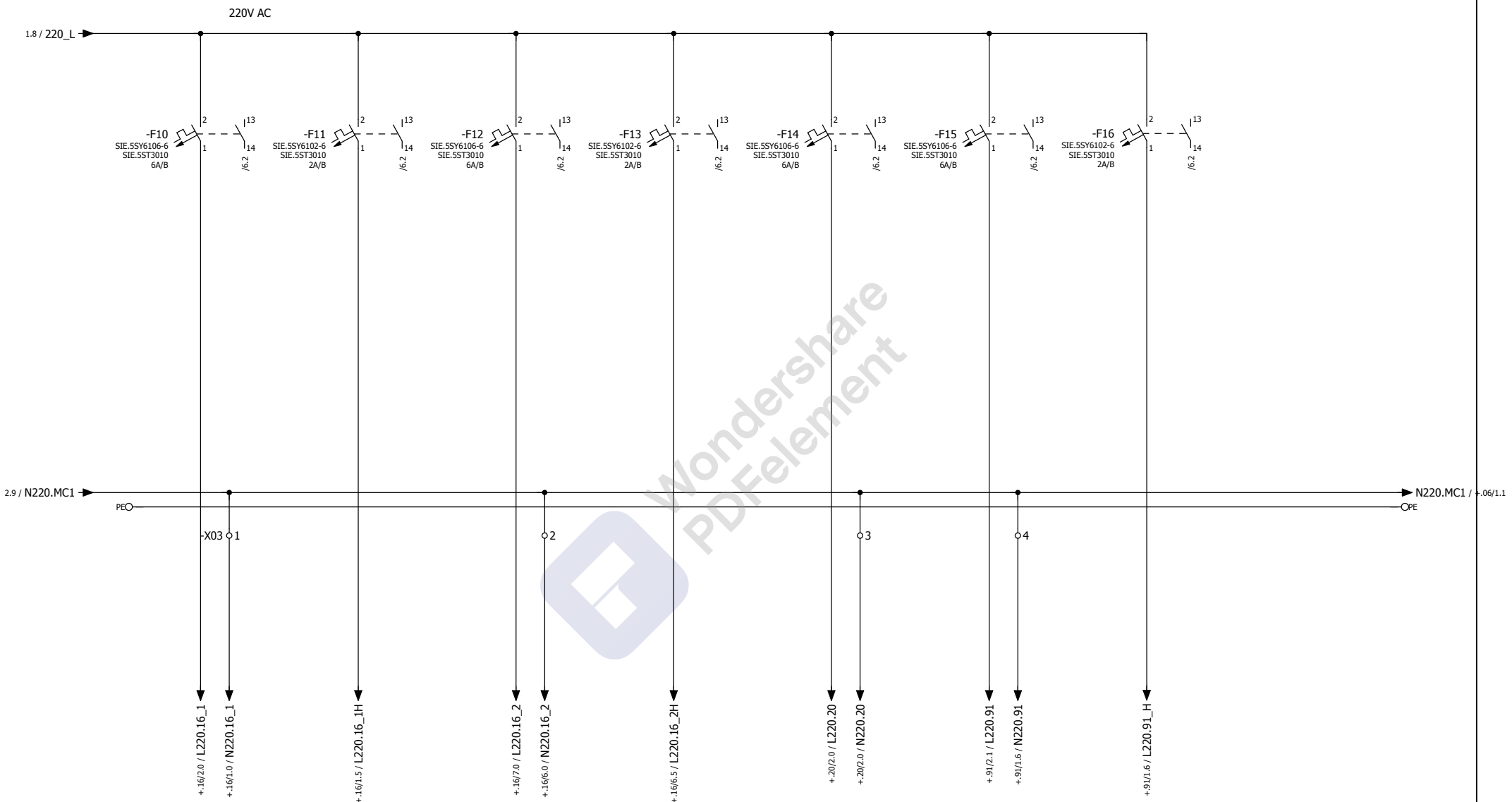

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			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Control circuit 220V AC	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.02
			Appr	Dauterstedt				12344	Page 3 of 6
Modification	Date	Name	Original		Replacement of	Replaced by			033

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			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Control circuit 24V DC		20.226	= 521BC05
			Ed.	Schmidt					27/04/2010	+ MC1.02
			Appr	Dauterstedt					12344	Page 4 of 6
Modification	Date	Name	Original		Replacement of	Replaced by				034

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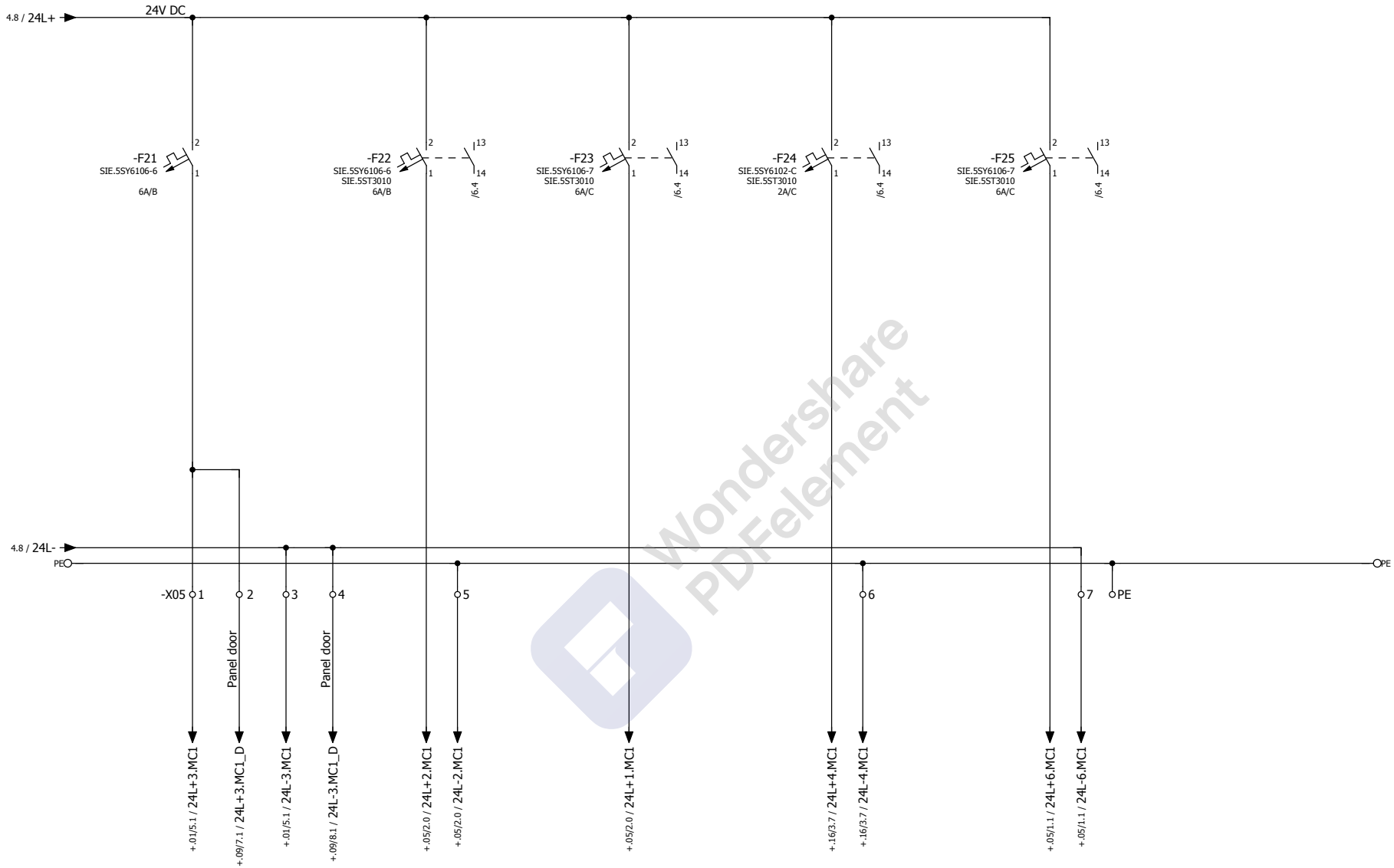


control voltage
24V DC
MC1

supply
ET200S

supply
ET200S powermodul

external voltage
to frequency converters

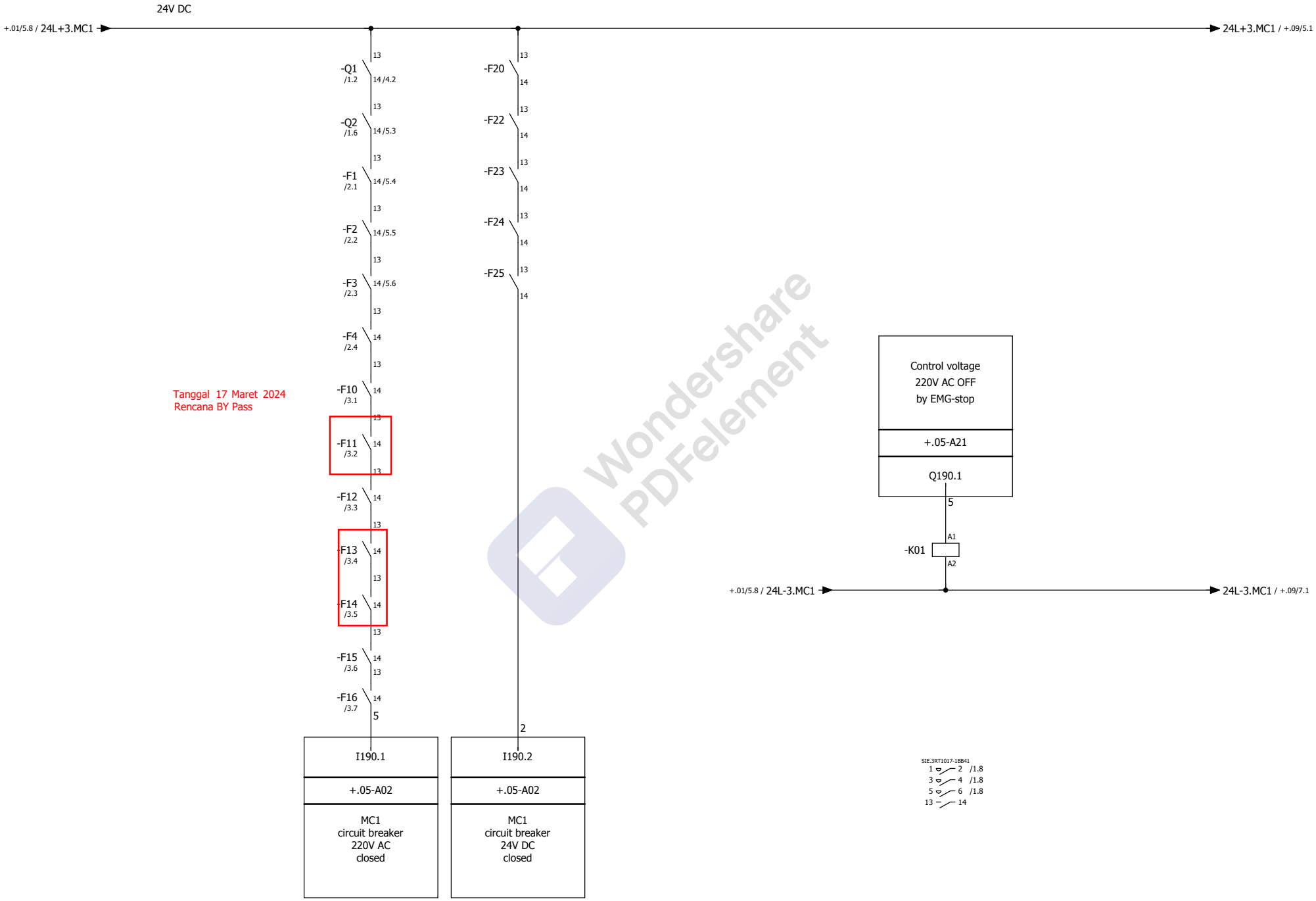
Ethernet device switch

Wondershare PDFelement

4 6

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Control circuit 24V DC	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.02
			Appr	Dauterstedt				12344	Page 5 of 6
Modification	Date	Name	Original		Replacement of	Replaced by			035

Remove Watermark
Wondershare PDFelement



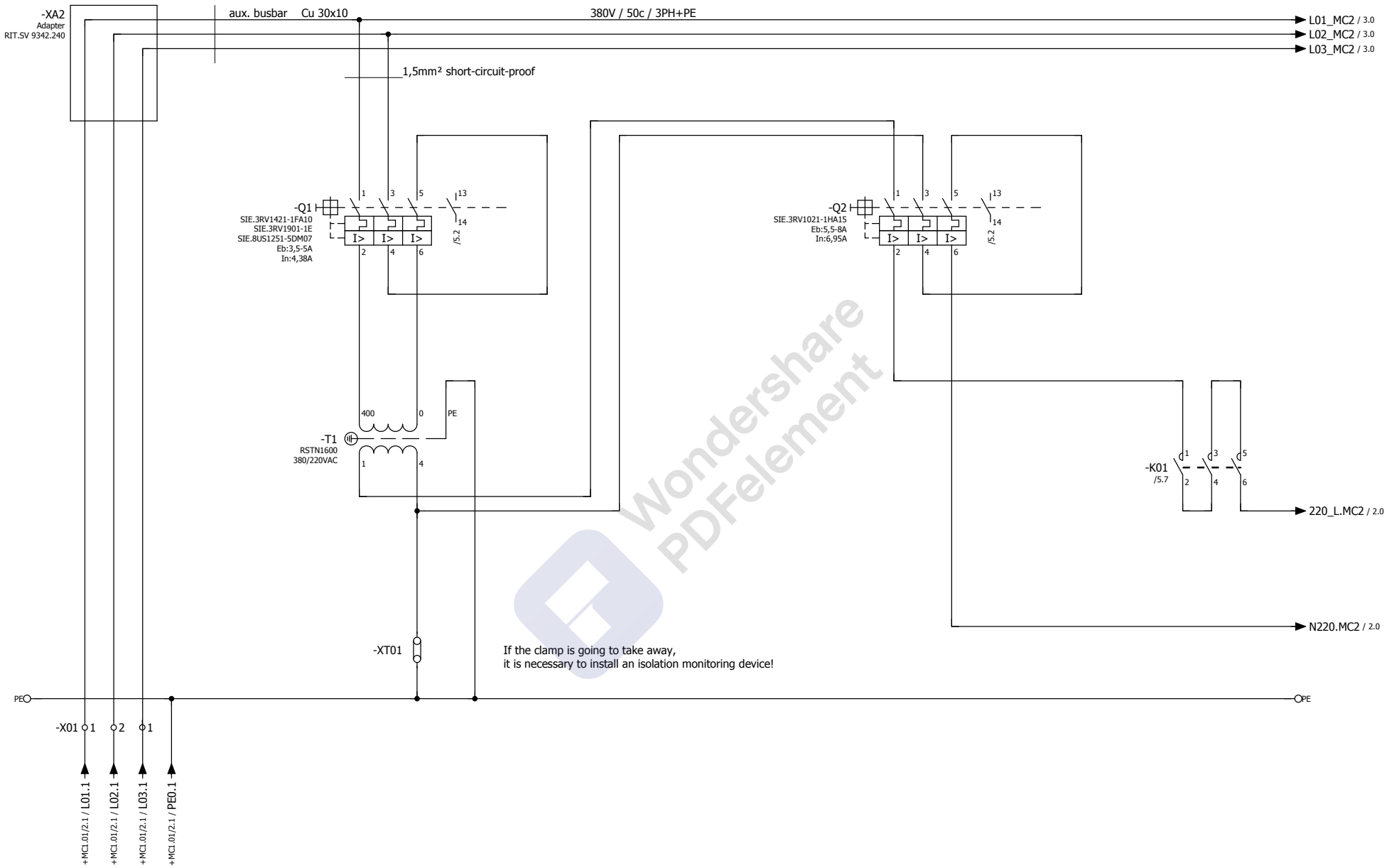
Wondershare PDFelement

5

+MC2.02/1

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	PLC	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.02
			Appr	Dauterstedt				12344	Page 6 of 6
Modification	Date	Name	Original		Replacement of	Replaced by			036

Remove Watermark
Wondershare PDFelement



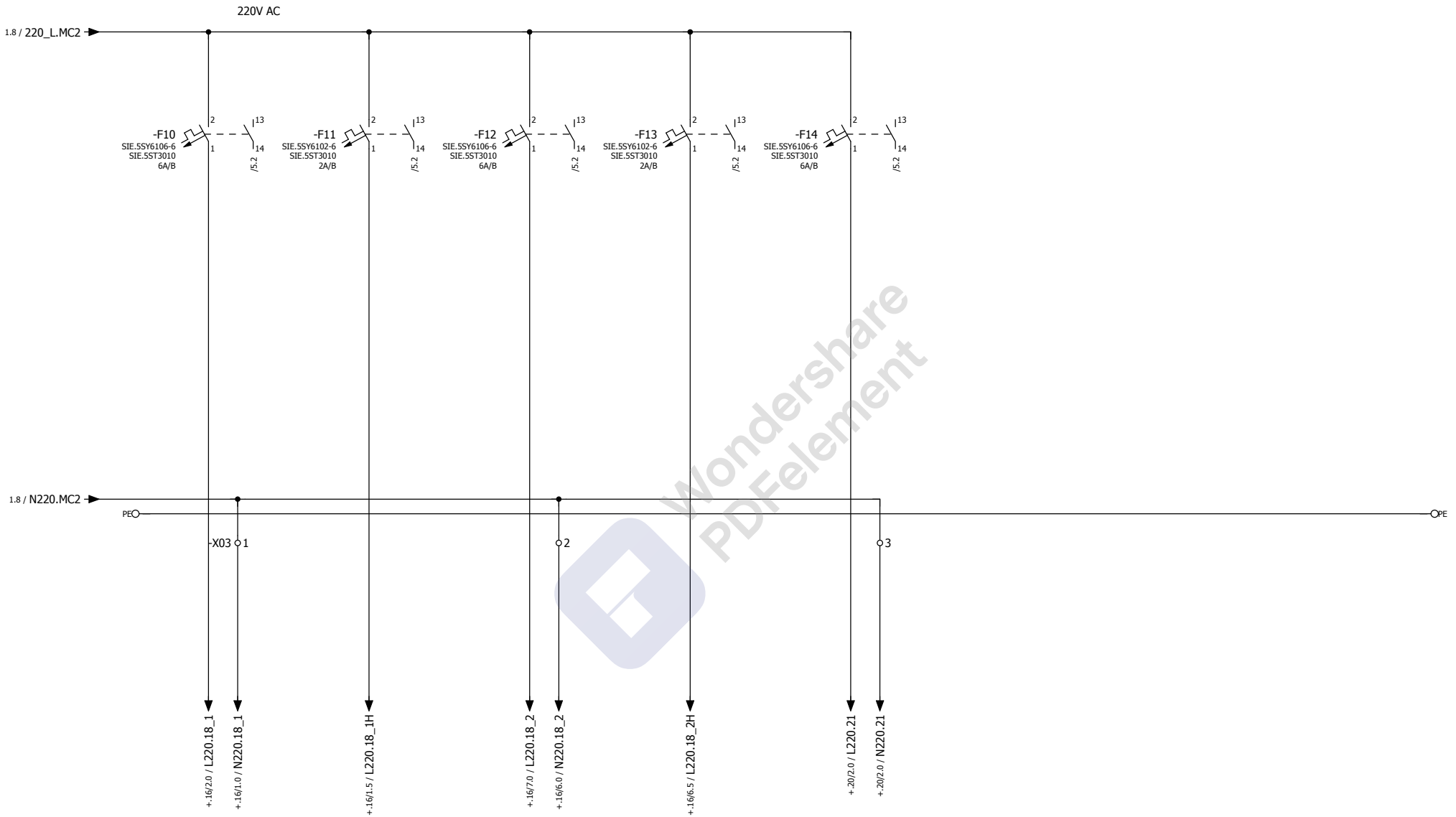
Wondershare PDFelement

+MC1.02/6

2

			Date	20.10.2010	Belt Conveyer 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Control circuit 220V AC	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC2.02
			Appr	Dauterstedt				12344	Page 1 of 5
Modification	Date	Name	Original		Replacement of	Replaced by			037

Remove Watermark
Wondershare PDFelement



Belt drive
Motor 1

Belt drive
Heater 1

Belt drive
Motor 2

Belt drive
Heater 2

Travel drive

Wondershare PDFelement

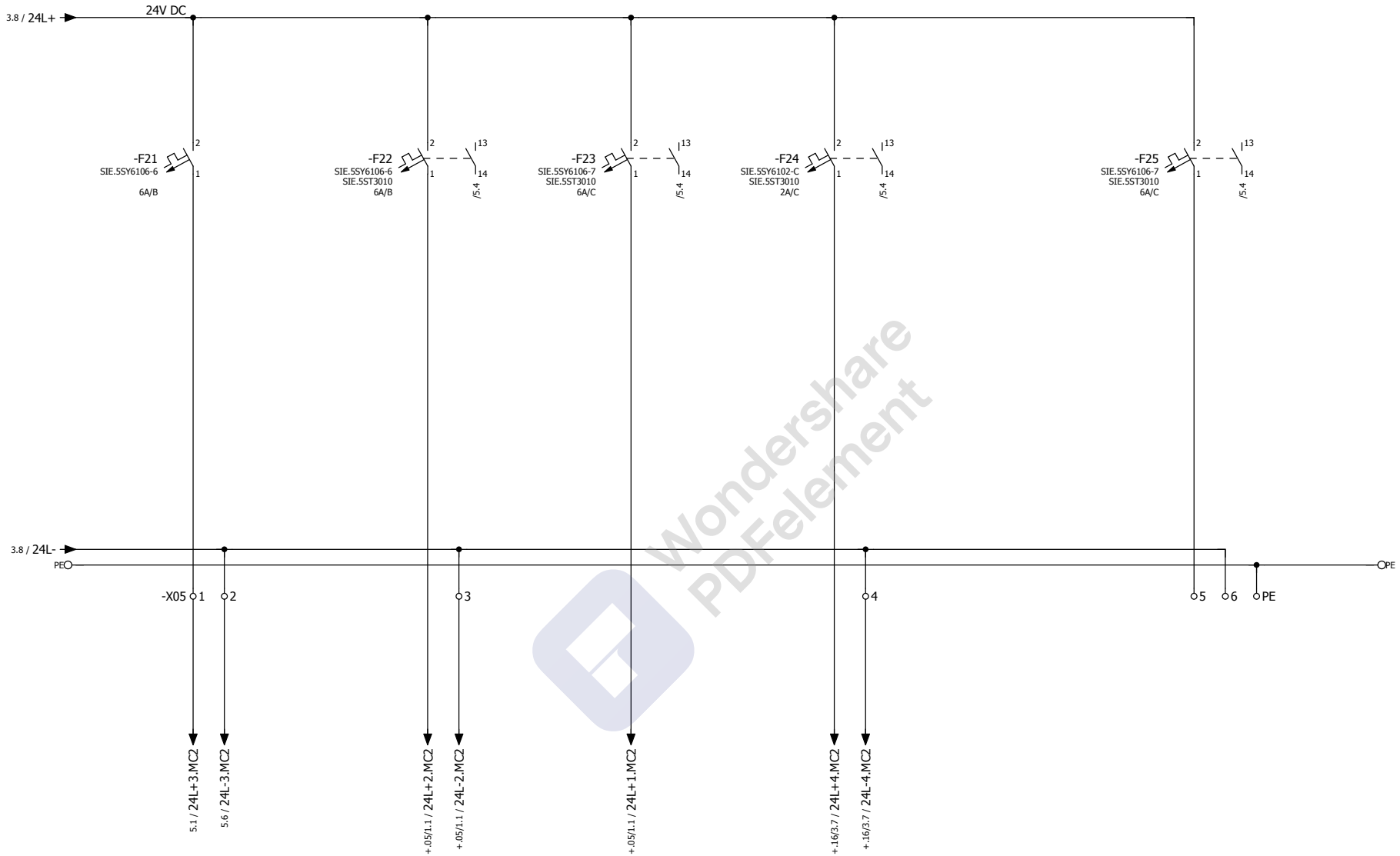
			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Control circuit 220V AC	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC2.02
			Appr	Dauterstedt				12344	Page 2 of 5
Modification	Date	Name	Original		Replacement of	Replaced by			038

Remove Watermark
Wondershare PDFelement

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Control circuit 24V DC		20.226	= 521BC05
			Ed.	Schmidt					27/04/2010	+ MC2.02
			Appr	Dauterstedt					12344	Page 3 of 5
Modification	Date	Name	Original		Replacement of	Replaced by				039

Remove Watermark
Wondershare PDFelement



control voltage
24V DC
MC2

supply
ET200S

supply
ET200S powermodul

external voltage
to frequency converters

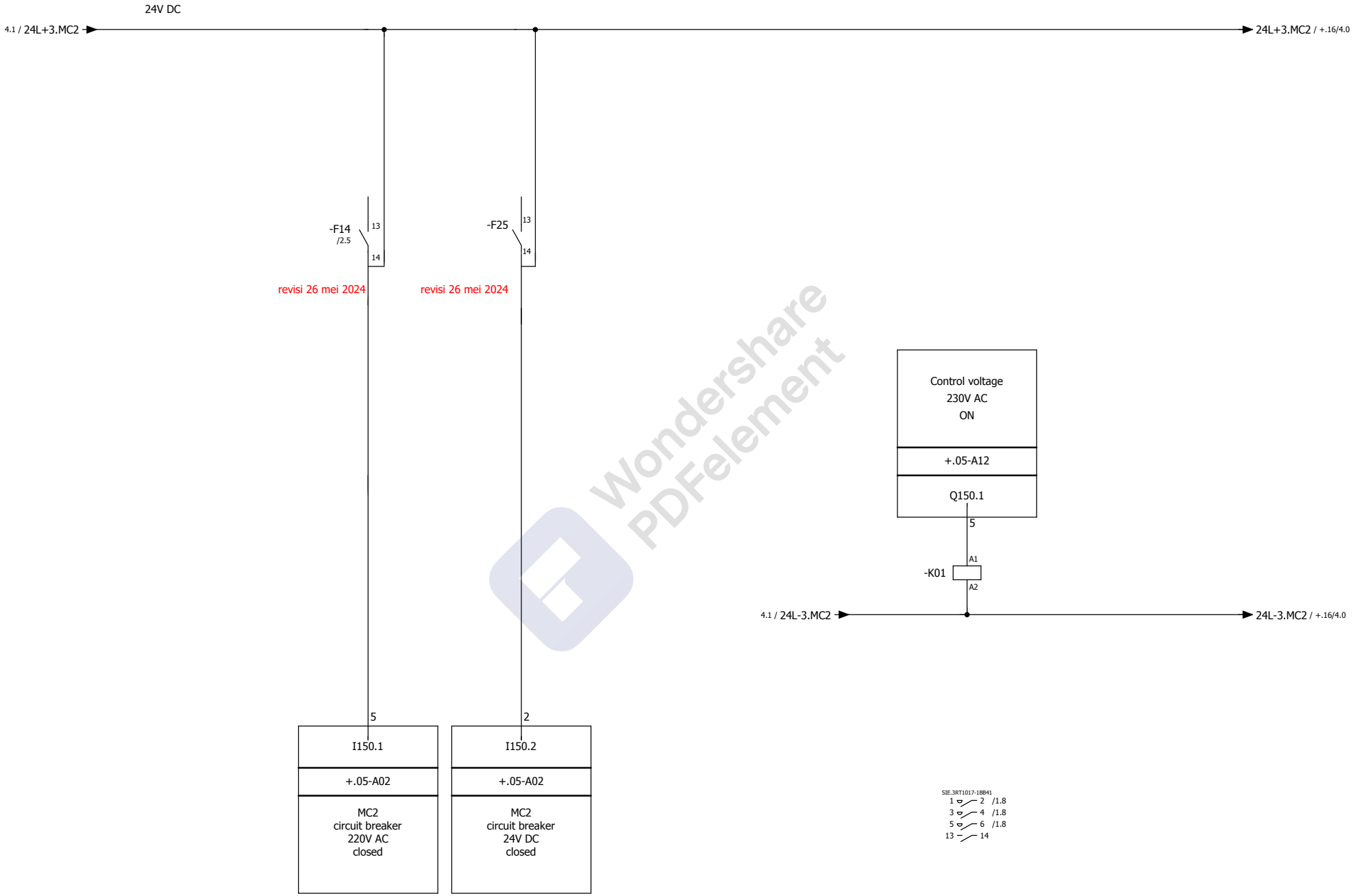
Spare

Wondershare PDFelement

3 5

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Control circuit 24V DC	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC2.02
			Appr	Dauterstedt				12344	Page 4 of 5
Modification	Date	Name	Original		Replacement of	Replaced by			040

Remove Watermark
Wondershare PDFelement



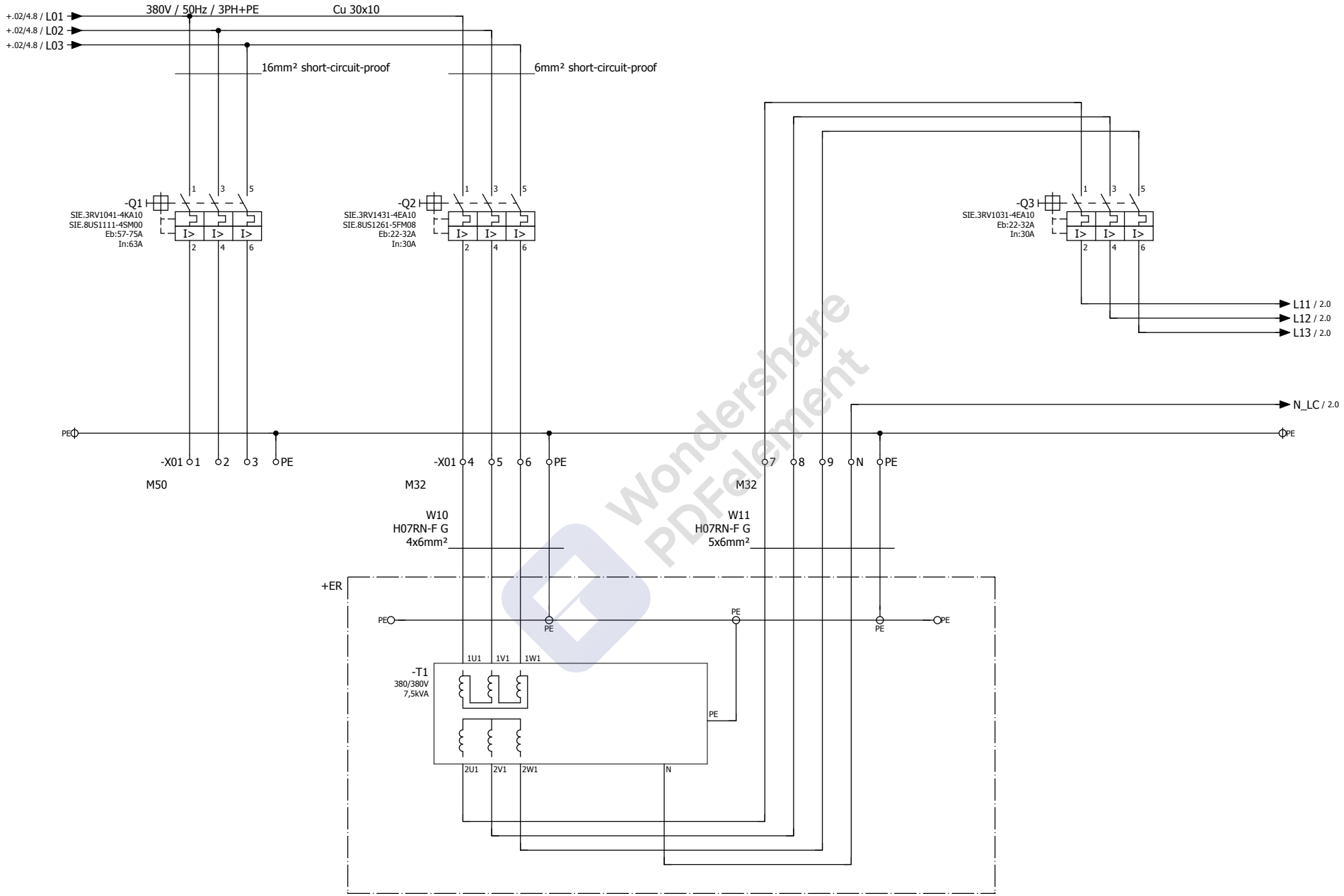
Wondershare PDFelement

4

+MC1.03/1

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	PLC	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC2.02
			Appr	Dauterstedt				12344	Page 5 of 5
Modification	Date	Name	Original		Replacement of	Replaced by			041

Remove Watermark
Wondershare PDFelement

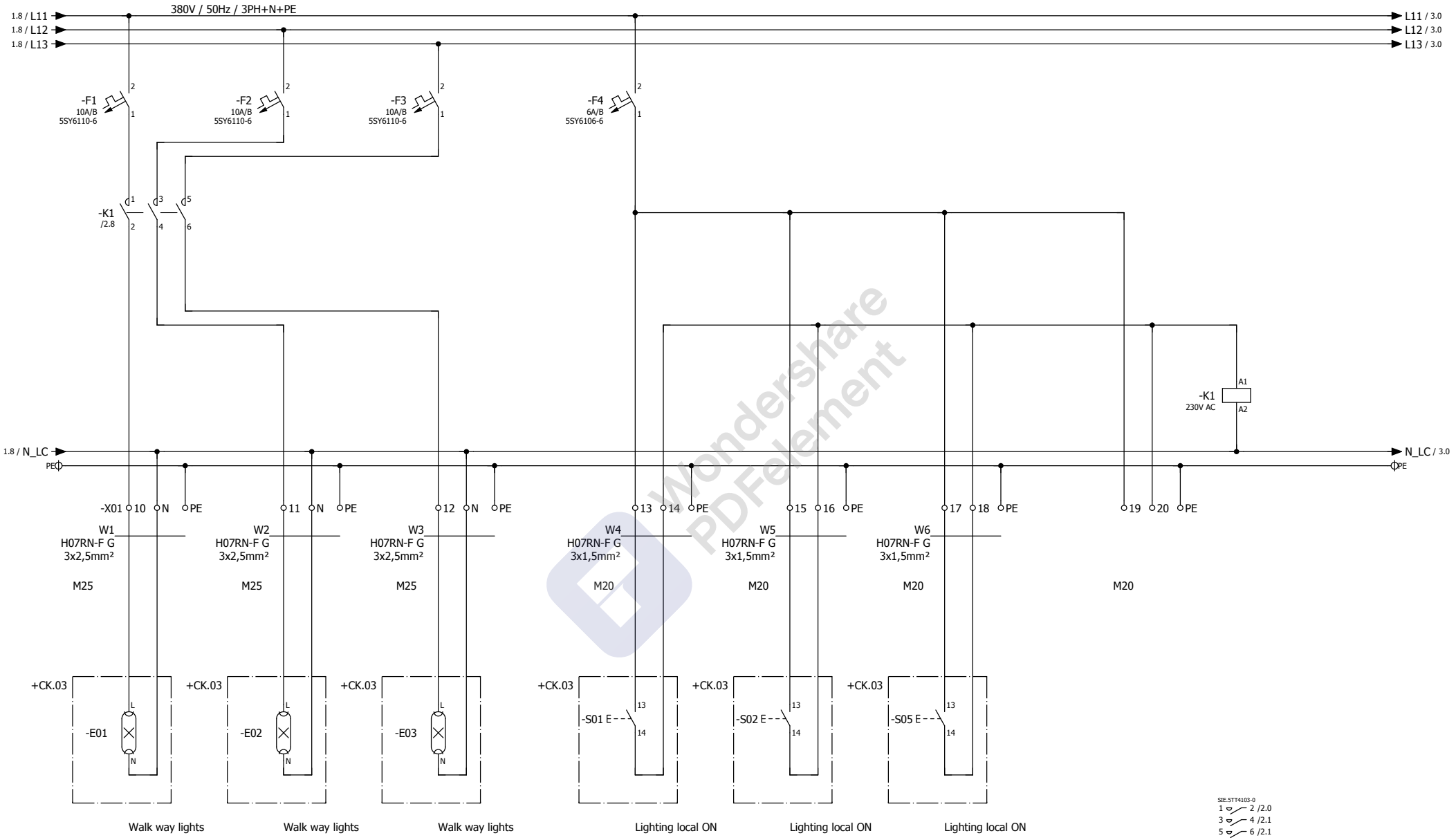


Spare

Lighting transformer

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	lighting circuit	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.03
			Appr	Dauterstedt				12344	Page 1 of 4
Modification	Date	Name	Original		Replacement of	Replaced by			042

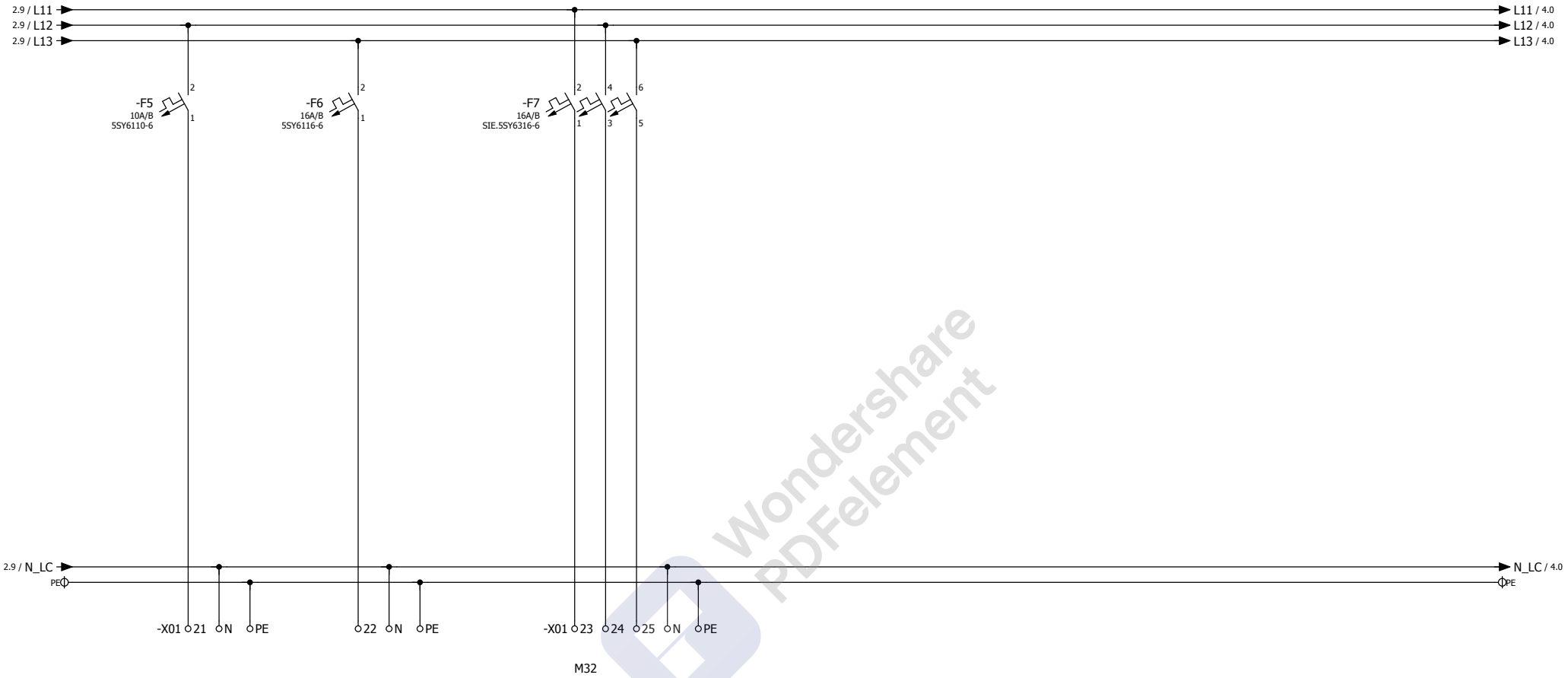
Remove Watermark
Wondershare PDFelement



Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	lighting circuit	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.03
			Appr	Dauterstedt				12344	Page 2 of 4
Modification	Date	Name	Original		Replacement of	Replaced by			043

Remove Watermark
Wondershare PDFelement

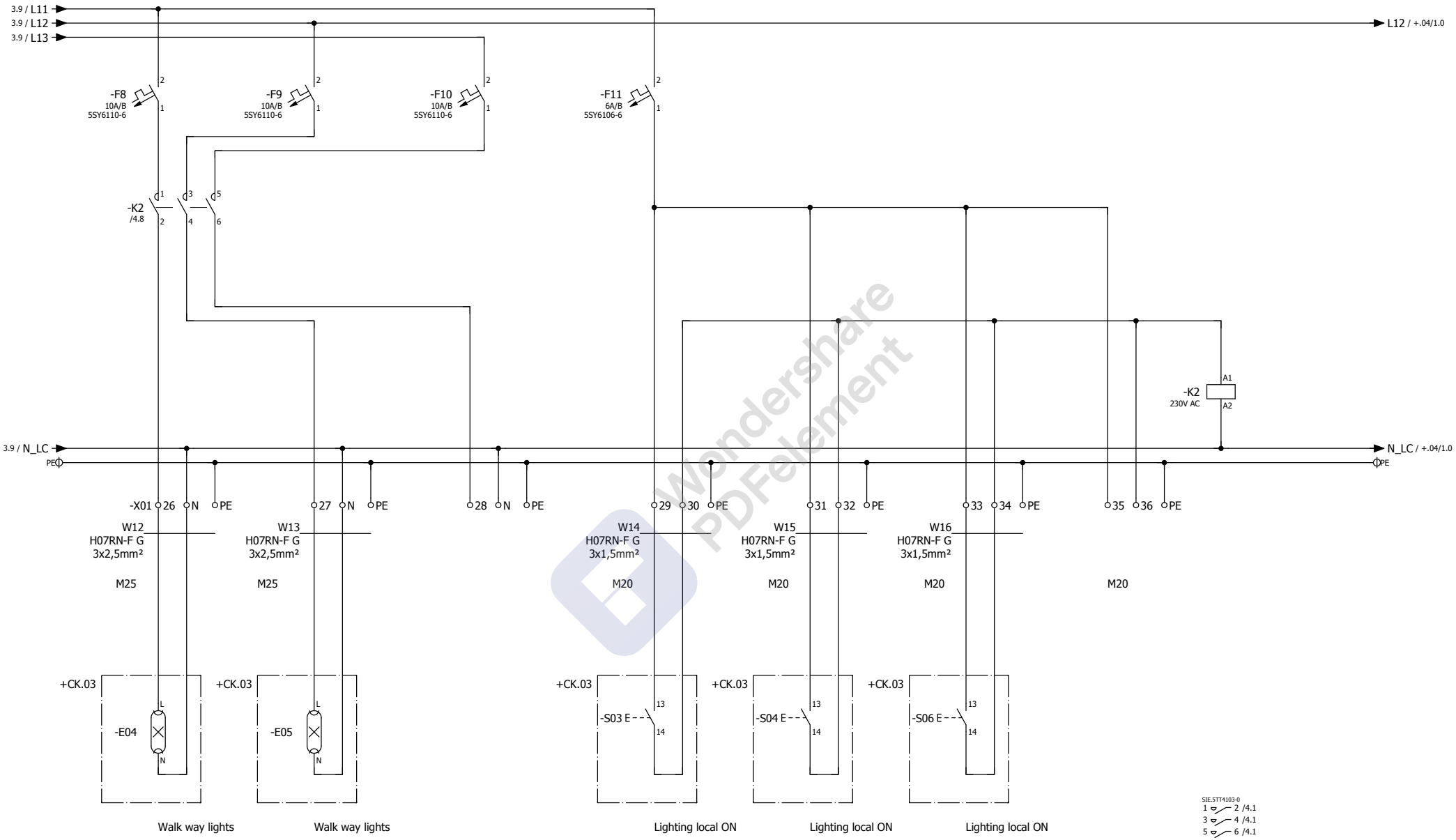


Wondershare PDFelement

2 4

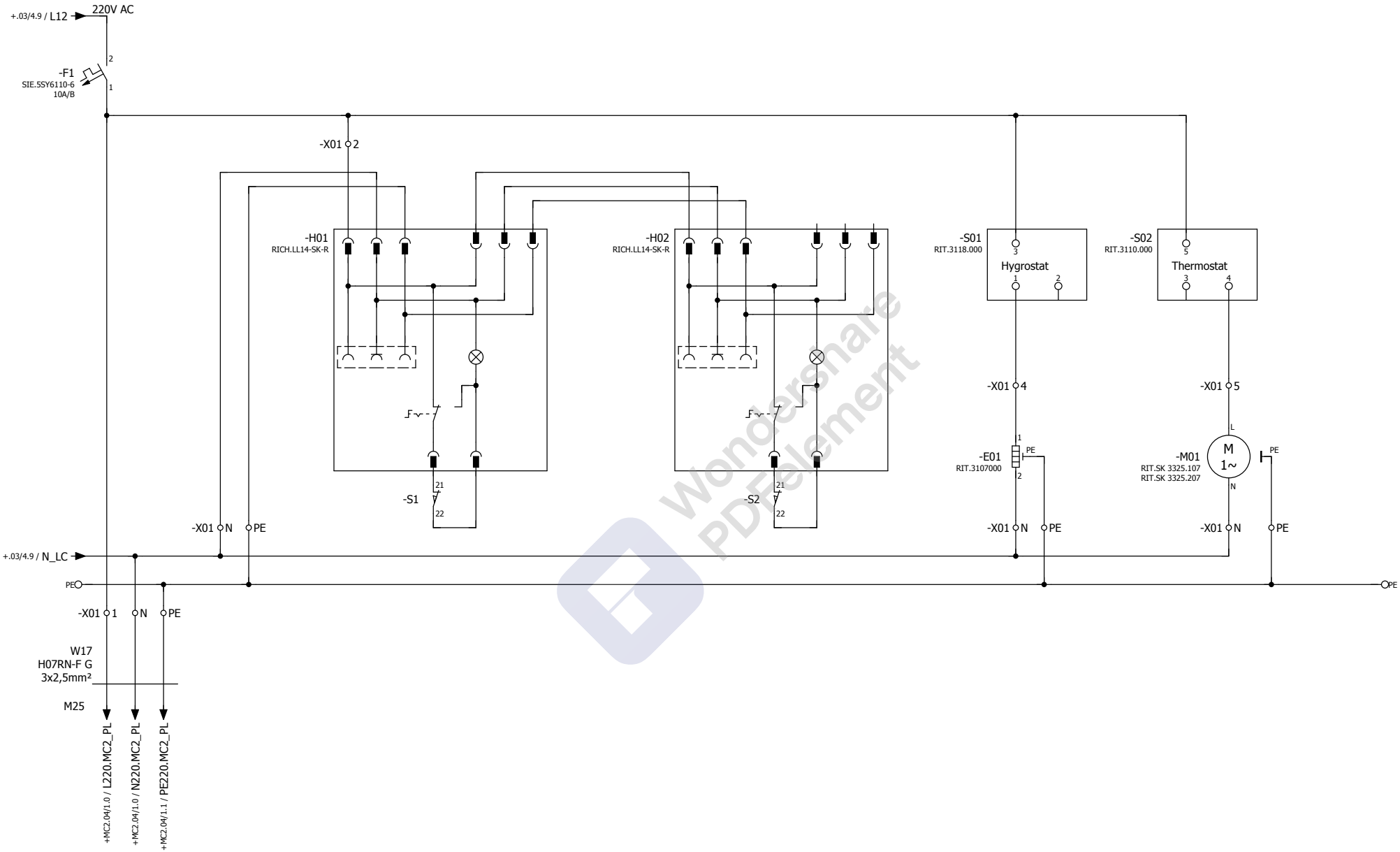
			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	lighting circuit		20.226	= 521BC05
			Ed.	Schmidt					27/04/2010	+ MC1.03
			Appr	Dauterstedt					12344	Page 3 of 4
Modification	Date	Name	Original		Replacement of	Replaced by				044

Remove Watermark
Wondershare PDFelement



			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	lighting circuit	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.03
			Appr	Dauterstedt				12344	Page 4 of 4
Modification	Date	Name	Original		Replacement of	Replaced by			045

Remove Watermark
Wondershare PDFelement

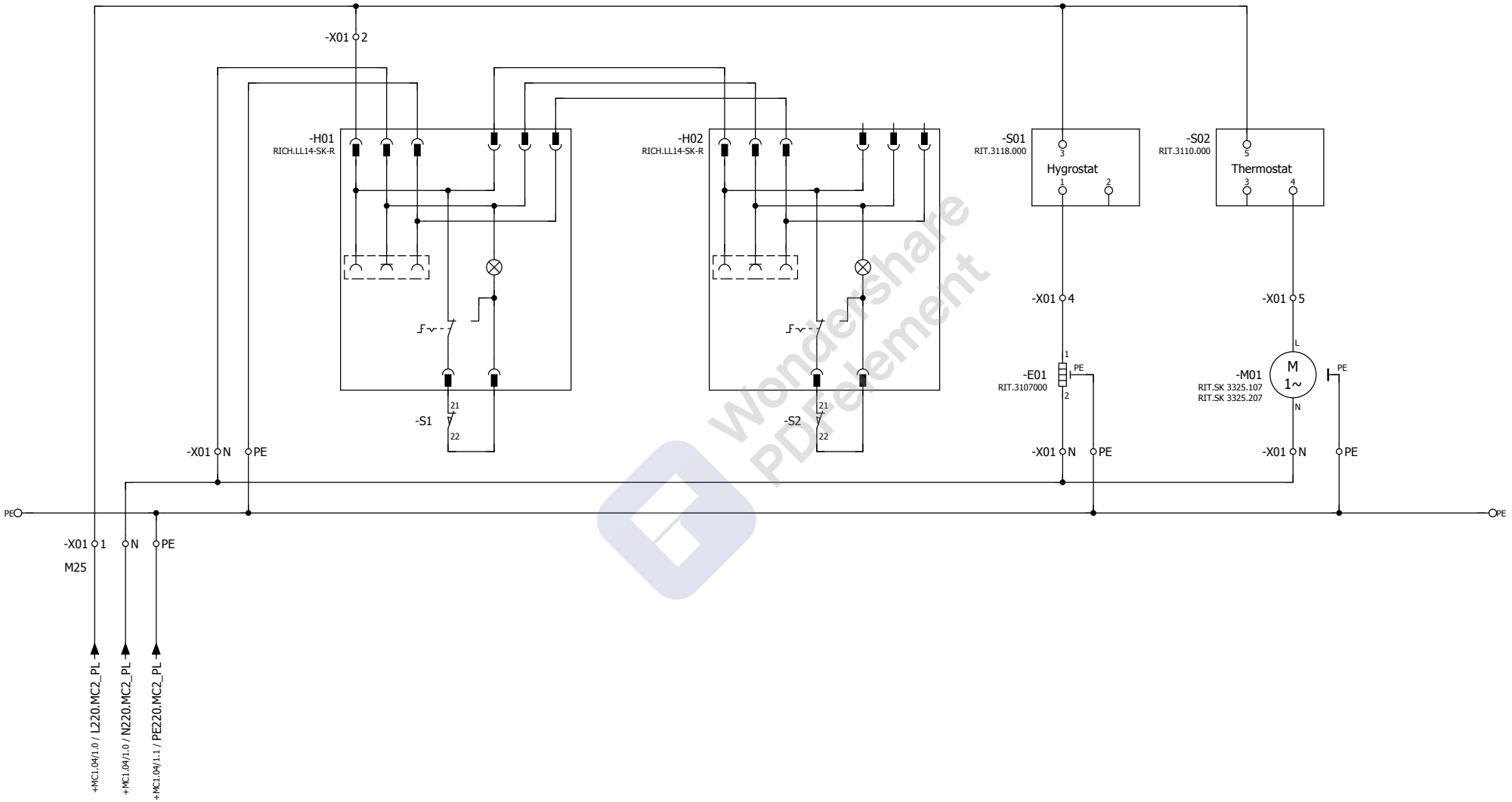


Panel light and heater MC2 | Panel light | Panel light | Panel heater | Panel fan

+.03/4 +MC2.04/1

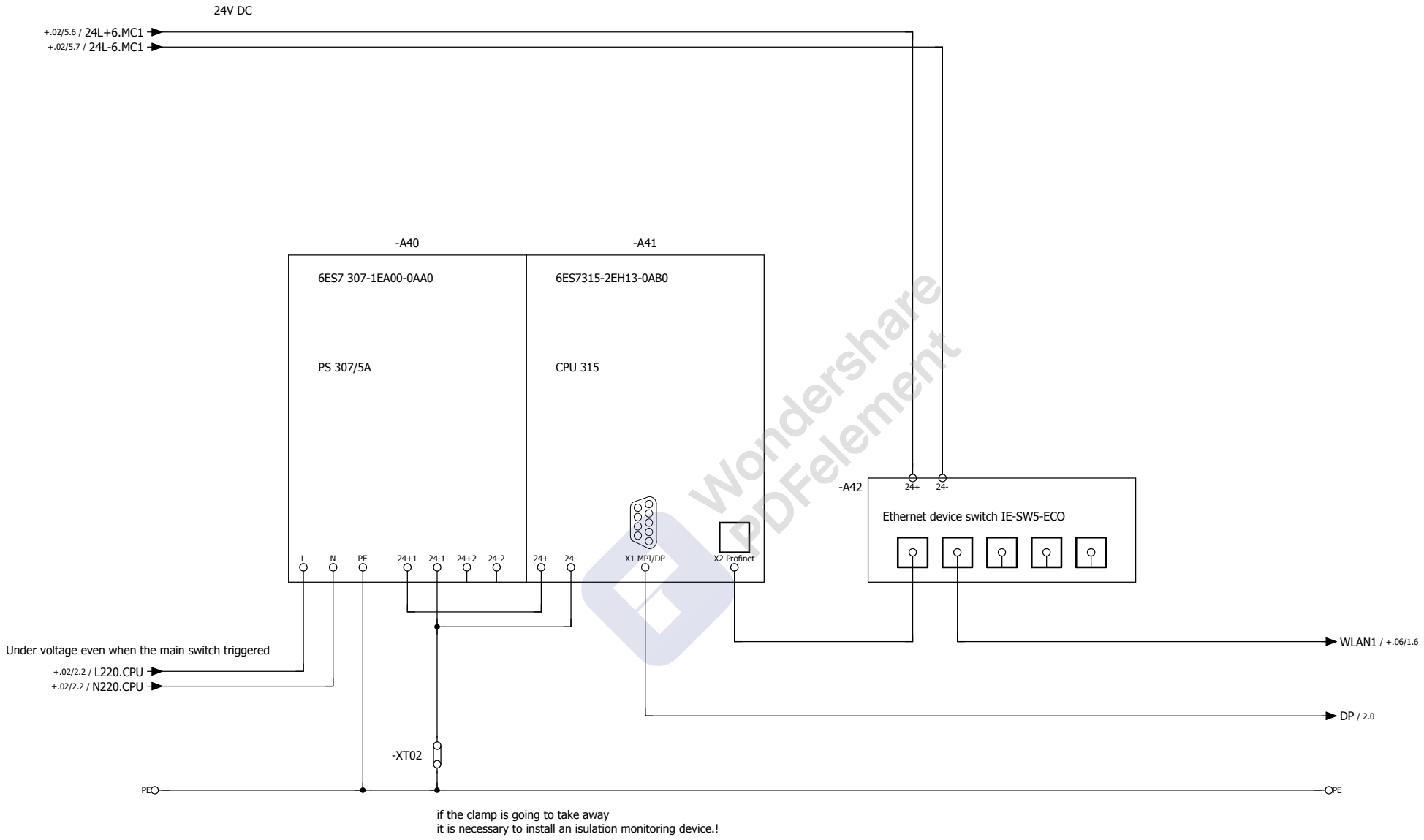
			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Panel light and heater	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.04
			Appr	Dauterstedt				12344	Page 1 of 1
Modification	Date	Name	Original		Replacement of	Replaced by			046

Remove Watermark
Wondershare PDFelement



			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Panel light and heater	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC2.04
			Appr	Dauterstedt				12344	Page 1 of 1
Modification	Date	Name	Original		Replacement of	Replaced by			047

Remove Watermark
Wondershare PDFelement



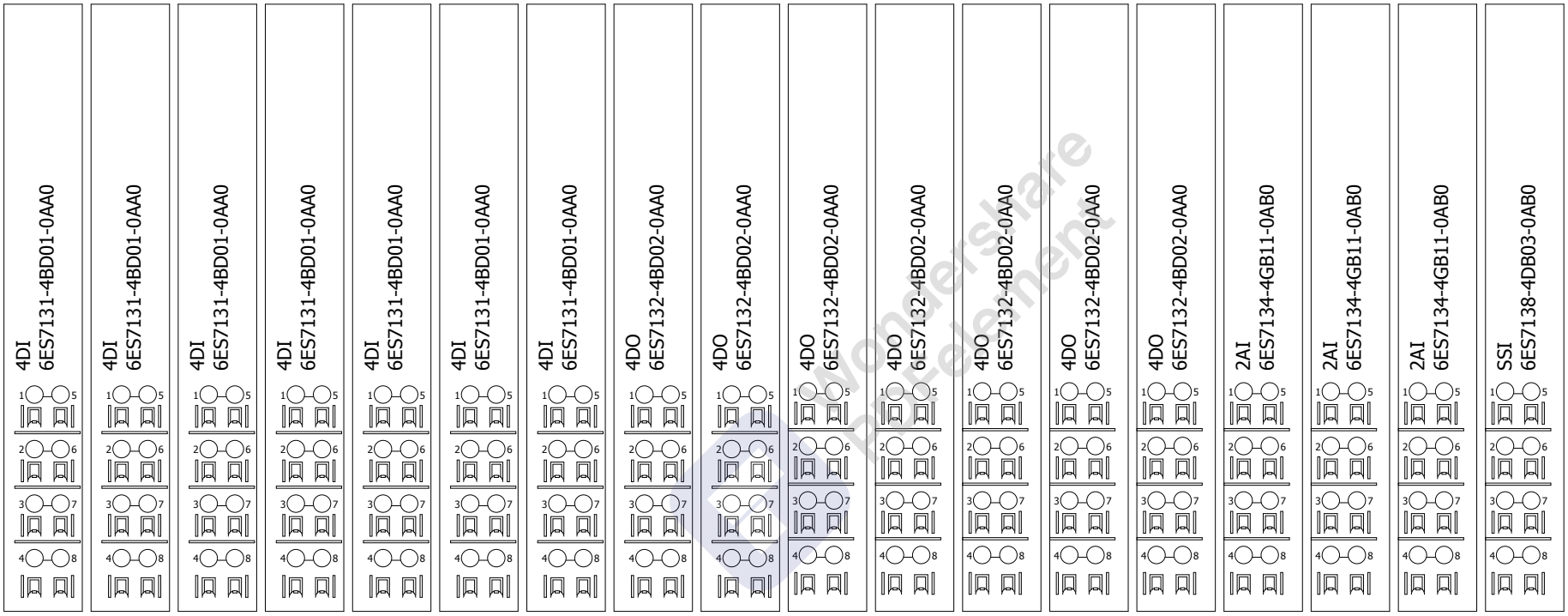
			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Basic-Rack		20.226	= 521BC05
			Ed.	Schmidt					27/04/2010	+ MC1.05
			Appr	Dauterstedt					12344	Page 1 of 7
Modification	Date	Name	Original		Replacement of	Replaced by				048

Remove Watermark
Wondershare PDFelement

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	ET200S		20.226	= 521BC05
			Ed.	Schmidt					27/04/2010	+ MC1.05
			Appr	Dauterstedt					12344	Page 2 of 7
Modification	Date	Name	Original		Replacement of	Replaced by				049

Remove Watermark
Wondershare PDFelement



Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	ET200S		20.226	= 521BC05
			Ed.	Schmidt					27/04/2010	+ MC1.05
			Appr	Dauterstedt					12344	Page 3 of 7
Modification	Date	Name	Original		Replacement of	Replaced by				050

Remove Watermark
Wondershare PDFelement

-A02	I190.0 1	+.01/5.2	+.01-Q3:HS4	Main power switch ON
	I190.1 5	+.02/6.2	+.02-F16:14	MC1 circuit breaker 220V AC closed
	I190.2 2	+.02/6.4	+.02-F25:14	MC1 circuit breaker 24V DC closed
	I190.3 6	+.09/5.2	+.09-K01:24	Emergency stop relay is ON
-A03	I190.4 1	+.09/5.3	+.09-S50:22	Emergency stop Panel door
	I190.5 5	+.09/5.4	+.09-K61:14	EMG stop push button 1
	I190.6 2	+.09/5.5	+.09-K62:14	EMG stop push button 2
	I190.7 6	+.09/5.6	+.09-K63:14	EMG stop push button 3
-A04	I191.0 1	+.09/6.2	+.09-K64:14	EMG stop push button 4
	I191.1 5	+.09/6.3	+.09-K65:14	Pull rope 1 right
	I191.2 2	+.09/6.4	+.09-K66:14	Pull rope 2 right
	I191.3 6	+.09/6.4	+.09-K67:14	Pull rope 1 left
-A05	I191.4 1	+.09/6.6	+.09-K68:14	Pull rope 2 left
	I191.5 5	+.09/6.7	+.09-K36:14	Reset
	I191.6 2	+.09/7.1	+.09-S1:12	Manual mode selected
	I191.7 6	+.09/7.2	+.09-S1:14	Automatic mode selected
-A06	I192.0 1	+.09/7.3	+.09-S2:14	Control ON
	I192.1 5	+.09/7.4	+.09-S3:12	Control OFF
	I192.2 2	+.09/7.5	+.09-S4:14	Lamptest
	I192.3 6			
-A07	I192.4 1	+.16/4.1	+.16-Q10:22	Belt drive 1 circuit breaker not closed
	I192.5 5	+.16/4.2	+.16-F31:08	Belt drive 1 thermistor warning
	I192.6 2	+.16/4.2	+.16-K51:24	Belt drive 1 thermistor tripped
	I192.7 6	+.16/4.3	+.16-Q1:14	Belt drive 1 main contactors ON
-A08	I193.0 1	+.16/4.5	+.16-K41:24	Belt drive 1 brake resistor no failure
	I193.1 5	+.16/4.5	+.16-Q70:22	Belt drive 1 brake circuit breaker not closed
	I193.2 2	+.16/4.6	+.16-Q7:14	Belt drive 1 brake main contactors ON
	I193.3 6			
-A09	I193.4 1	+.16/9.0	+.16-Q20:22	Belt drive 2 circuit breaker not closed
	I193.5 5	+.16/9.1	+.16-F32:08	Belt drive 2 thermistor warning
	I193.6 2	+.16/9.2	+.16-K52:24	Belt drive 2 thermistor tripped
	I193.7 6	+.16/9.3	+.16-Q2:14	Belt drive 2 main contactors ON
-A10	I194.0 1	+.16/9.4	+.16-K42:24	Belt drive 2 brake resistor no failure
	I194.1 5	+.16/9.5	+.16-Q71:22	Belt drive 2 brake circuit breaker not closed
	I194.2 2	+.16/9.6	+.16-Q8:14	Belt drive 2 brake main contactors ON
	I194.3 6			

Wondershare PDFelement

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-A11	I194.4	+.16/12.1	+.16-K61:14	Misalignment front left
	I194.5	+.16/12.2	+.16-K62:14	Misalignment front right
	I194.6	+.16/12.3	+.16-K63:14	Belt is running right
	I194.7	+.16/12.4	+.16-K64:14	Belt is running left
-A12	I195.0	+.16/13.1	+.16-16-S30:12	Stop pile 1
	I195.1	+.16/13.2	+.16-16-S31:14	Start pile 1
	I195.2	+.16/13.6	+.16-16-S40:12	Stop pile 2
	I195.3	+.16/13.7	+.16-16-S41:14	Start pile 2
-A13	I195.4	+.20/4.1	+.20-Q10:22	Travel drive 1+2 circuit breaker not closed
	I195.5	+.20/4.2	+.20-Q11:22	Travel drive 1 circuit breaker not closed
	I195.6	+.20/4.3	+.20-Q12:22	Travel drive 2 circuit breaker not closed
	I195.7	+.20/4.4	+.20-F31:08	Travel drive 1 thermistor warning
-A14	I196.0	+.20/4.5	+.20-K51:24	Travel drive 1 thermistor tripped
	I196.1	+.20/4.6	+.20-F32:08	Travel drive 2 thermistor warning
	I196.2	+.20/4.7	+.20-K52:24	Travel drive 2 thermistor tripped
	I196.3	+.20/4.8	+.20-Q1:14	Travel drive 1+2 main contactors ON
-A15	I196.4	+.20/5.1	+.20-K41:24	Travel drives 1+2 brake resistor no failure
	I196.5	+.20/5.2	+.20-K61:14	Travel drives 1+2 way end absolute right
	I196.6	+.20/5.3	+.20-K62:14	Travel drives 1+2 way end absolute left
	I196.7	+.20/5.4	+.20-K63:14	Travel drives 1+2 way end right
-A16	I197.0	+.20/5.5	+.20-K64:14	Travel drives 1+2 way end left
	I197.1	+.20/5.6	+.20-K65:14	Travel drives 1+2 Set point pile 1
	I197.2	+.20/10.1	+.20-20-S30:12	Travel drive OFF
	I197.3	+.20/10.2	+.20-20-S31:14	Travel drive right ON
-A17	I197.4	+.20/10.4	+.20-20-S32:14	Travel drive left ON
	I197.5	+.16/14.1	+.16-16-S20:12	Belt drve OFF
	I197.6	+.16/14.2	+.16-16-S21:14	Belt drive right ON
	I197.7	+.16/14.3	+.16-16-S22:14	Belt drive left ON
-A18	I198.0	+.91/3.1	+.91-Q10:22	Cable reeling power circuit breaker not closed
	I198.1	+.91/3.2	+.91-Q1:14	Cable reeling power main conatctors ON
	I198.2	+.91/3.3	+.91-F31:08	Cable reeling power thermistor warning
	I198.3	+.91/3.4	+.91-K51:24	Cable reeling power thermistor interrupt
-A19	I198.4	+.91/5.1	+.91-K61:14	Last winding power reeling
	I198.5	+.91/5.2	+.91-K62:14	Middle pass over power reeling
	I198.6	+.91/5.3	+.91-K63:14	Tight cable power reeling right
	I198.7	+.91/5.4	+.91-K64:14	Tight cable power reel left
-A20	I199.0	+.91/5.5	+.91-K65:14	Slack cable power reel right
	I199.1	+.91/5.6	+.91-K66:14	Slack cable power reel left
	I199.2			
	I199.3			

Wondershare PDFelement

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-A21	Q190.0 1	+.01/5.5	+.01-K01:A1	Main power switch ON
	Q190.1 5	+.02/6.7	+.02-K01:A1	Control voltage 220V AC OFF by EMG-stop
	Q190.2 2	+.09/8.2	+.09-K06:A1	EMG stop-relais reset
	Q190.3 6	+.09/8.2	+.09-S2:x1	Signallamp Control ON
-A22	Q190.4 1	+.09/8.4	+.09-S3:x1	Signallamp Control OFF
	Q190.5 5	+.09/8.5	+.09-H2:x1	Signallamp Automatic mode ON
	Q190.6 2	+.09/8.6	+.09-H1:x1	Centralized fault indication
	Q190.7 6	+.09/8.6	+.09-S5:x1	Signallamp Reset
-A23	Q191.0 1	+.16/5.1	+.16-K01:A1	Belt drive 1 main contactors ON
	Q191.1 5	+.16/5.2	+.16-K11:A1	Belt drive 1 heater ON
	Q191.2 2	+.16/5.3	+.16-K07:A1	Belt drive 1 Brake main contactors ON
	Q191.3 6			
-A24	Q191.4 1	+.16/10.2	+.16-K02:A1	Belt drive 2 main contactors ON
	Q191.5 5	+.16/10.2	+.16-K12:A1	Belt drive 2 heater ON
	Q191.6 2	+.16/10.3	+.16-K08:A1	Belt drive 2 Brake main contactors ON
	Q191.7 6	+.16/13.3	+.16-16-S31:x1	Signallamp Start pile 1
-A25	Q192.0 1	+.20/5.7	+.20-K01:A1	Travel drives 1+2 main contactors ON
	Q192.1 5	+.20/9.5	Q192.1	Nulljustage Resatron
	Q192.2 2	+.20/10.6	+.20-20-S31:x1	Signallamp Travel drive right ON
	Q192.3 6	+.20/10.7	+.20-20-S32:x1	Signallamp Travel drive left ON
-A26	Q192.4 1	+.91/3.6	+.91-K01:A1	Cable reeling power ON
	Q192.5 5	+.91/3.7	+.91-K02:A1	Cable reeling power heater 1 ON
	Q192.6 2	+.91/3.8	+.91-K03:A1	Cable reeling power heater 2 ON
	Q192.7 6			
-A27	Q193.0 1	+.16/13.8	+.16-16-S41:x1	Signallamp Start pile 2
	Q193.1 5	+.20/5.8	+.20-K33:A1	Reset
	Q193.2 2	+.16/14.6	+.16-16-S21:x1	Signallamp Belt drive right ON
	Q193.3 6	+.16/14.7	+.16-16-S22:x1	Signallamp Belt drive left ON

Wondershare PDFelement

Remove Watermark
Wondershare PDFelement

0	1	2	3	4	5	6	7

-A28

PIW240 1	+.16/4.7	PIW240	Belt drive 1 current measuring 4-20mA
CH0- 2	+.16/4.8	CH0-	
1L+ 3	+.16/4.8	0L+	
1M 4	+.16/4.9	0M	
PIW242 5	+.16/9.7	PIW242	Belt drive 2 current measuring 4-20mA
CH1- 6	+.16/9.8	CH1-	
2L+ 7	+.16/9.8	1L+	
2M 8	+.16/9.8	1M	

-A29

PIW244 1	+.20/6.4	PIW244	Travel drives 1 current measuring 4-20mA
CH2- 2	+.20/6.4	CH2-	
1L+ 3	+.20/6.5	2L+	
1M 4	+.20/6.5	2M	
PIW246 5	+.20/6.7	PIW246	Travel drives 2 current measuring 4-20mA
CH3- 6	+.20/6.7	CH3-	
2L+ 7	+.20/6.8	3L+	
2M 8	+.20/6.8	3M	

-A30

PIW248 1	+.20/7.4	PIW248	Pile detection forward
CH4- 2	+.20/7.4	CH4-	
4L+ 3	+.20/7.5	4L+	
4M 4	+.20/7.5	4M	
PIW250 5			
CH5- 6			
5L+ 7			
5M 8			

-A31

SSI1 1	+.20/9.4	SSI1	
SSI2 2	+.20/9.2	SSI2	
SSI3 3	+.20/9.2	SSI3	
SSI4 4	+.20/9.3	SSI4	
SSI5 5	+.20/9.3	SSI5	
SSI6 6			
SSI7 7			
SSI8 8	+.20/9.2	SSI8	Travel drive position

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	ET200S	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.05
			Appr	Dauterstedt				12344	Page 7 of 7
Modification	Date	Name	Original		Replacement of	Replaced by			054

Remove Watermark
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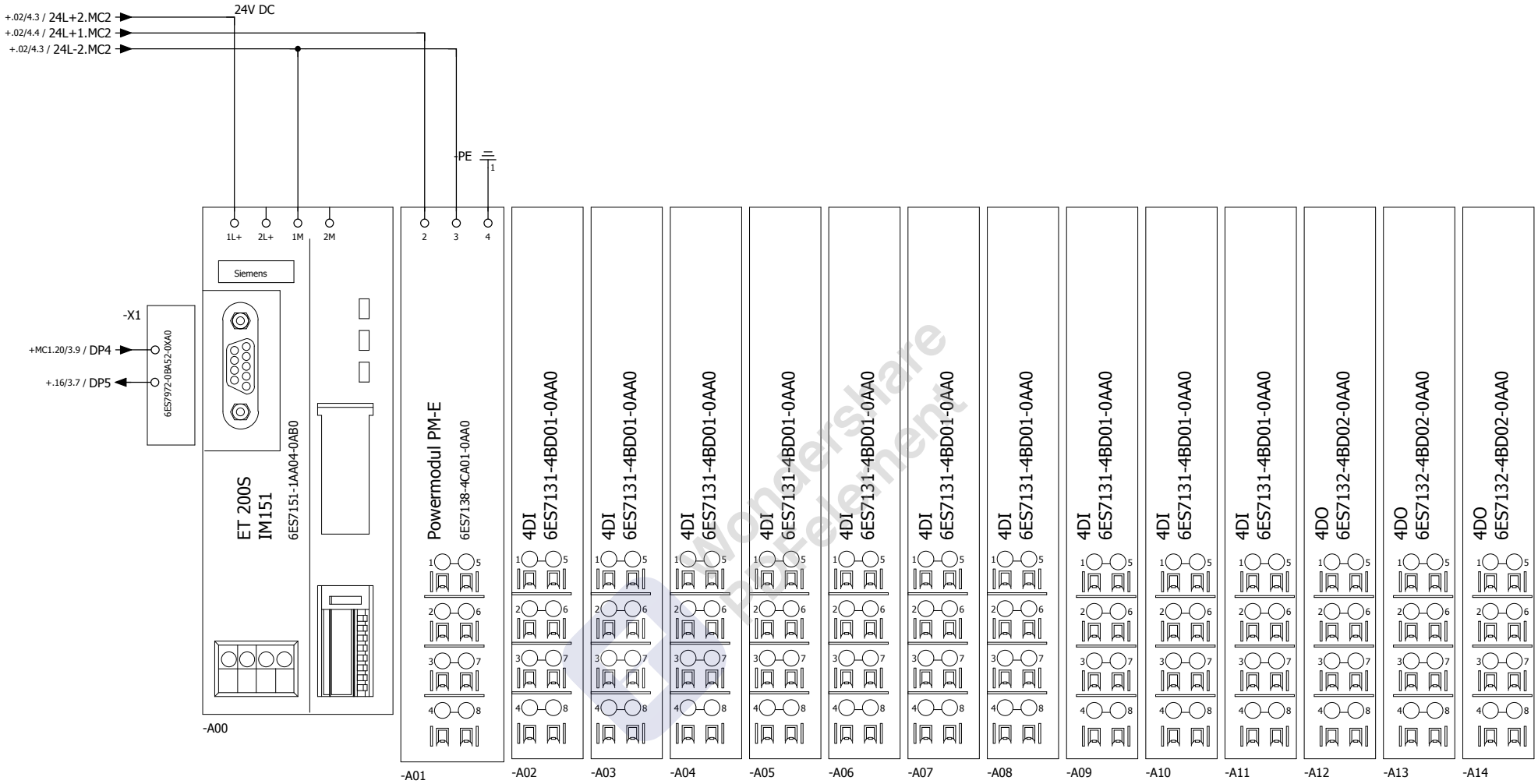
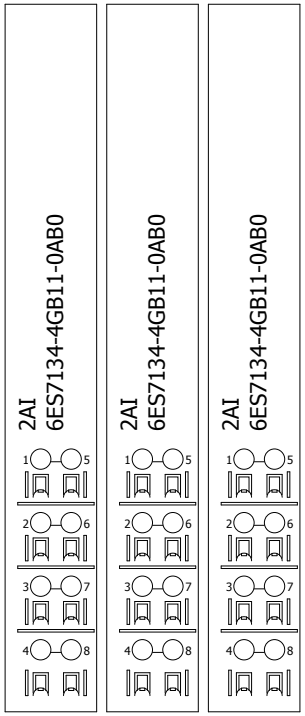


			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	ET200S	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC2.05
			Appr	Dauterstedt				12344	Page 1 of 4
Modification	Date	Name	Original		Replacement of	Replaced by			055

Remove Watermark
Wondershare PDFelement



Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa		SCHADE AUMUND GROUP	ET200S	20.226	= 521BC05
			Ed.	Schmidt					27/04/2010	+ MC2.05
			Appr	Dauterstedt					12344	Page 2 of 4
Modification	Date	Name	Original		Replacement of	Replaced by				056

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-A02	I150.0 1			
	I150.1 5	+.02/5.2	-^	MC2 circuit breaker 220V AC closed
	I150.2 2	+.02/5.4	+.02-F25:14	MC2 circuit breaker 24V DC closed
	I150.3 6			
-A03	I150.4 1	+.16/4.1	+.16-Q10:22	Belt drive 3 circuit breaker not closed
	I150.5 5	+.16/4.2	+.16-F31:08	Belt drive 3 thermistor warning
	I150.6 2	+.16/4.2	+.16-K51:24	Belt drive 3 thermistor tripped
	I150.7 6	+.16/4.3	+.16-Q1:14	Belt drive 3 main contactors ON
-A04	I151.0 1	+.16/4.5	+.16-K41:24	Belt drive 3 brake resistor no failure
	I151.1 5	+.16/4.5	+.16-Q70:22	Belt drive 3 brake circuit breaker not closed
	I151.2 2	+.16/4.6	+.16-Q7:14	Belt drive 3 brake main contactors ON
	I151.3 6			
-A05	I151.4 1	+.16/9.0	+.16-Q20:22	Belt drive 4 circuit breaker not closed
	I151.5 5	+.16/9.1	+.16-F32:08	Belt drive 4 thermistor warning
	I151.6 2	+.16/9.2	+.16-K52:24	Belt drive 4 thermistor tripped
	I151.7 6	+.16/9.3	+.16-Q2:14	Belt drive 4 main contactors ON
-A06	I152.0 1	+.16/9.4	+.16-K42:24	Belt drive 4 brake resistor no failure
	I152.1 5	+.16/9.5	+.16-Q71:22	Belt drive 4 brake circuit breaker not closed
	I152.2 2	+.16/9.6	+.16-Q8:14	Belt drive 4 brake main contactors ON
	I152.3 6			
-A07	I152.4 1	+.16/12.1	+.16-K61:14	Misalignment rear left
	I152.5 5	+.16/12.2	+.16-K62:14	Misalignment rear right
	I152.6 2	+.16/12.3	+.16-K63:14	Spare
	I152.7 6	+.16/12.4	+.16-K64:14	Spare
-A08	I153.0 1	+.20/4.1	+.20-Q10:22	Travel drive 3+4 circuit breaker not closed
	I153.1 5	+.20/4.2	+.20-Q11:22	Travel drive 3 circuit breaker not closed
	I153.2 2	+.20/4.3	+.20-Q12:22	Travel drive 4 circuit breaker not closed
	I153.3 6	+.20/4.4	+.20-F31:08	Travel drive 3 thermistor warning
-A09	I153.4 1	+.20/4.5	+.20-K51:24	Travel drive 3 thermistor tripped
	I153.5 5	+.20/4.6	+.20-F32:08	Travel drive 4 thermistor warning
	I153.6 2	+.20/4.7	+.20-K52:24	Travel drive 4 thermistor tripped
	I153.7 6	+.20/4.8	+.20-Q1:14	Travel drive 3+4 main contactors ON
-A10	I154.0 1	+.20/5.1	+.20-K41:24	Travel drives 3+4 brake resistor no failure
	I154.1 5	+.20/5.2	+.20-K61:14	Travel drives 3+4 way end absolute right
	I154.2 2	+.20/5.3	+.20-K62:14	Travel drives 3+4 way end absolute left
	I154.3 6	+.20/5.4	+.20-K63:14	Travel drives 3+4 way end right
-A11	I154.4 1	+.20/5.5	+.20-K64:14	Travel drives 3+4 way end left
	I154.5 5	+.20/5.6	+.20-K65:14	Travel drives 3+4 Set point pile 2
	I154.6 2			
	I154.7 6			

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-A12	Q150.0 1			
	Q150.1 5	+.02/5.7	+.02-K01:A1	Control voltage 230V AC ON
	Q150.2 2			
	Q150.3 6	+.20/5.8	+.20-K33:A1	Reset
-A13	Q150.4 1	+.16/5.1	+.16-K01:A1	Belt drive 3 main contactors ON
	Q150.5 5	+.16/5.2	+.16-K11:A1	Belt drive 3 heater ON
	Q150.6 2	+.16/5.3	+.16-K07:A1	Belt drive 3 Brake main contactors ON
	Q150.7 6			
-A14	Q151.0 1	+.16/10.2	+.16-K02:A1	Belt drive 4 main contactors ON
	Q151.1 5	+.16/10.2	+.16-K12:A1	Belt drive 4 heater ON
	Q151.2 2	+.16/10.3	+.16-K08:A1	Belt drive 4 Brake main contactors ON
	Q151.3 6	+.20/5.7	+.20-K01:A1	Travel drives 3+4 main contactors ON

-A15	PIW300 1	+.16/4.7	PIW300	Belt drive 3 current measuring 4-20mA
	CH0- 2	+.16/4.8	CH0-	
	1L+ 3	+.16/4.8	0L+	
	1M 4	+.16/4.9	0M	
	PIW302 5	+.16/9.7	PIW302	Belt drive 4 current measuring 4-20mA
	CH1- 6	+.16/9.8	CH1-	
	2L+ 7	+.16/9.8	1L+	
	2M 8	+.16/9.8	1M	
-A16	PIW304 1	+.20/6.2	PIW304	Travel drives 3 current measuring 4-20mA
	CH2- 2	+.20/6.2	CH2-	
	1L+ 3	+.20/6.3	2L+	
	1M 4	+.20/6.3	20M	
	PIW306 5	+.20/6.5	PIW306	Travel drives 4 current measuring 4-20mA
	CH3- 6	+.20/6.5	CH3-	
	2L+ 7	+.20/6.6	3L+	
	2M 8	+.20/6.6	3M	
-A17	PIW308 1	+.20/7.4	PIW308	Pile detection reserse
	CH4- 2	+.20/7.4	CH4-	
	4L+ 3	+.20/7.5	4L+	
	4M 4	+.20/7.5	4M	
	PIW310 5			
	CH5- 6			
	5L+ 7			
	5M 8			

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			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	ET200S	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC2.05
			Appr	Dauterstedt				12344	Page 4 of 4
Modification	Date	Name	Original		Replacement of	Replaced by			058

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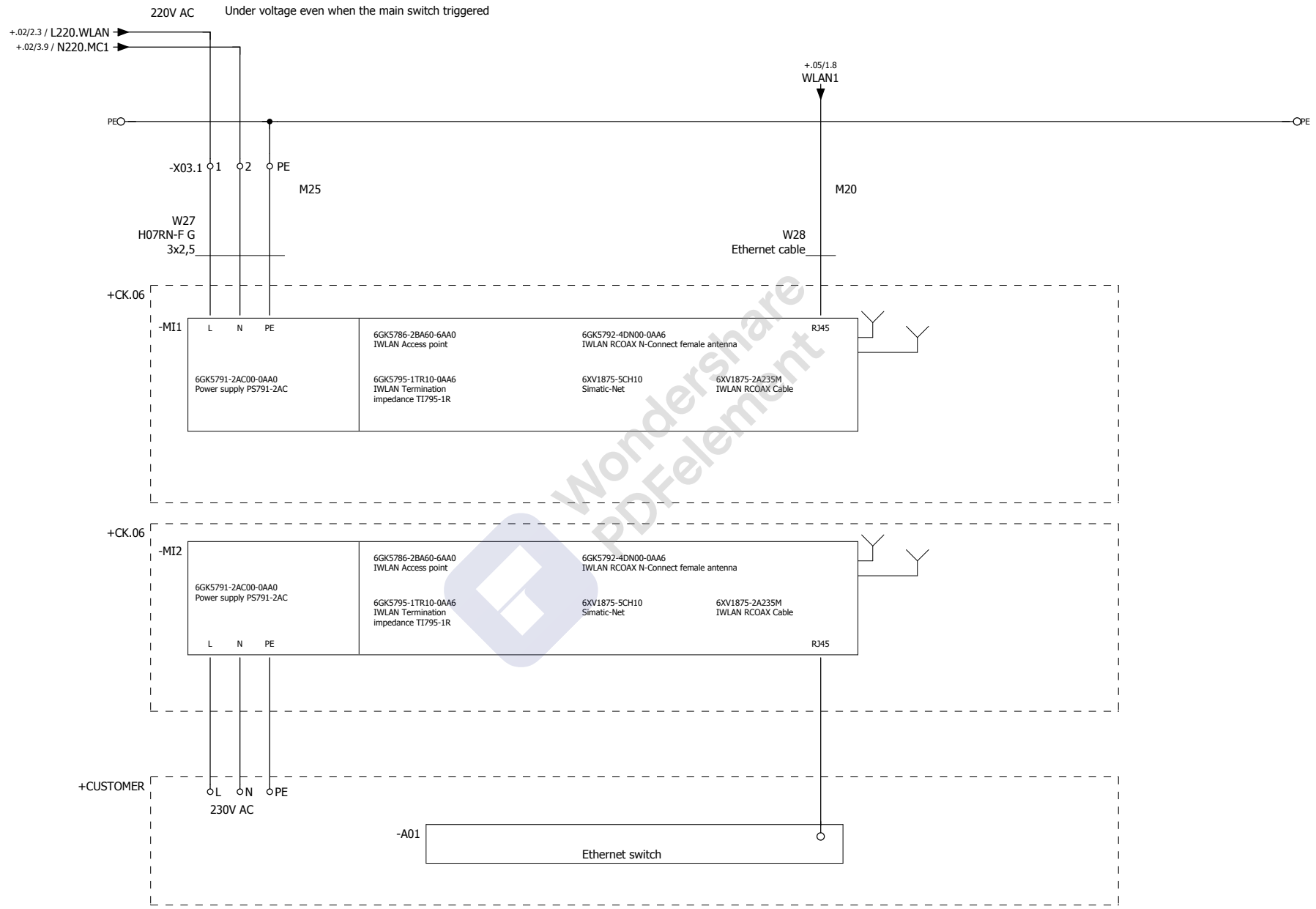
Wondershare PDFelement



Wondershare PDFelement

+MC2.05/4

+.09/1

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Wlan	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.06
			Appr	Dauterstedt				12344	Page 1 of 1
Modification	Date	Name	Original		Replacement of	Replaced by			059

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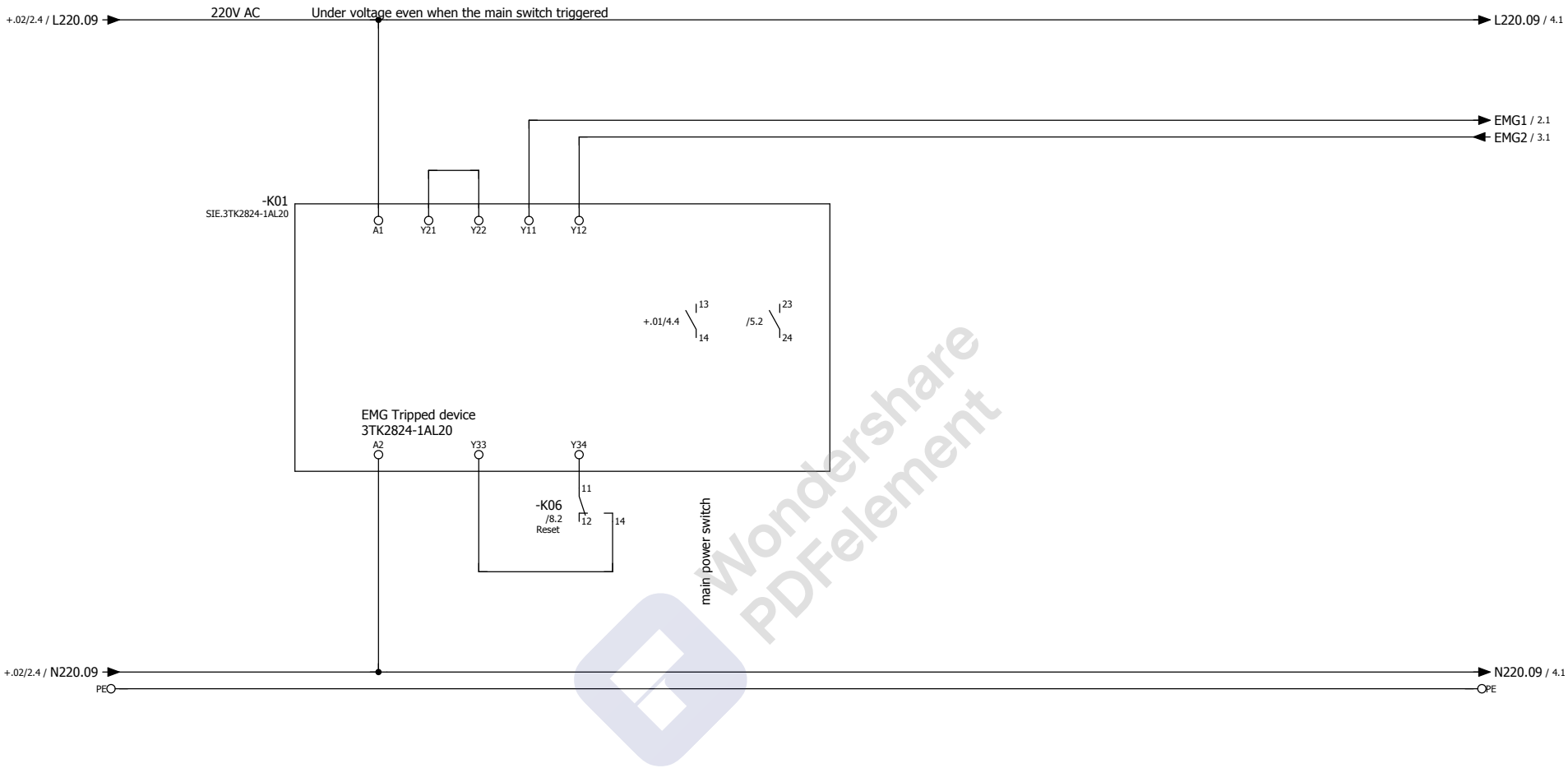
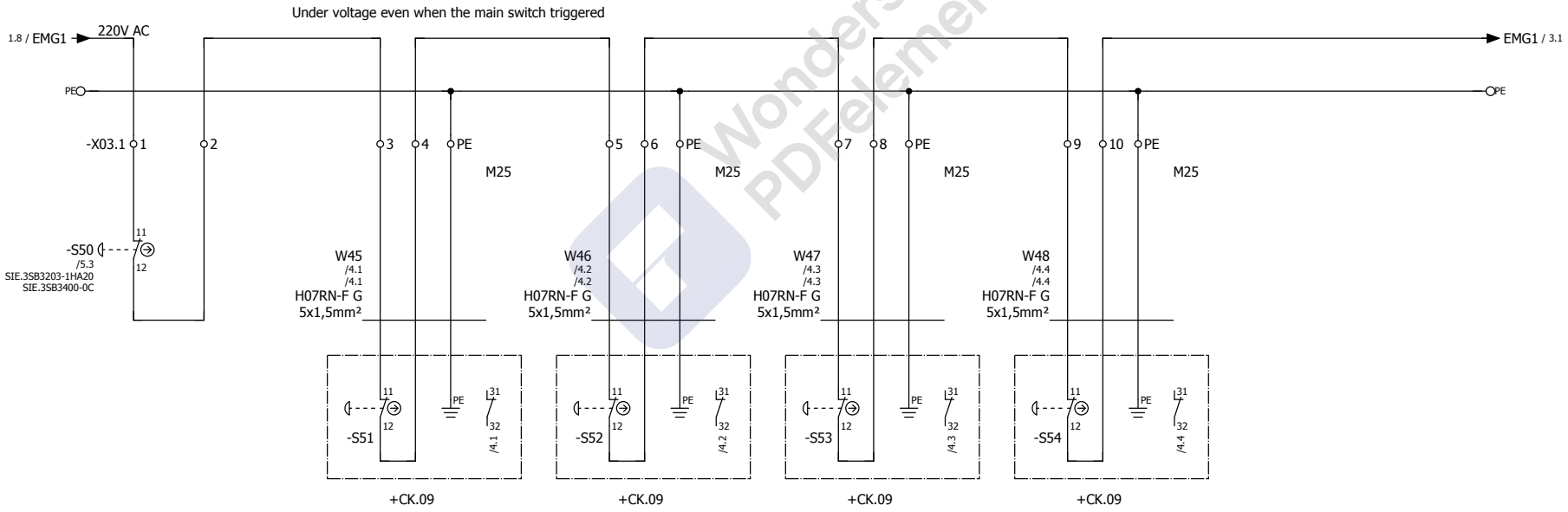


Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa		Emergency stop		20.226	= 521BC05
			Ed.	Schmidt					27/04/2010	+ MC1.09
			Appr	Dauterstedt					12344	Page 1 of 8
Modification	Date	Name	Original		Replacement of	Replaced by				060

Remove Watermark
Wondershare PDFelement



Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Emergency stop		20.226	= 521BC05
			Ed.	Schmidt					27/04/2010	+ MC1.09
			Appr	Dauterstedt					12344	Page 2 of 8
Modification	Date	Name	Original		Replacement of	Replaced by				061

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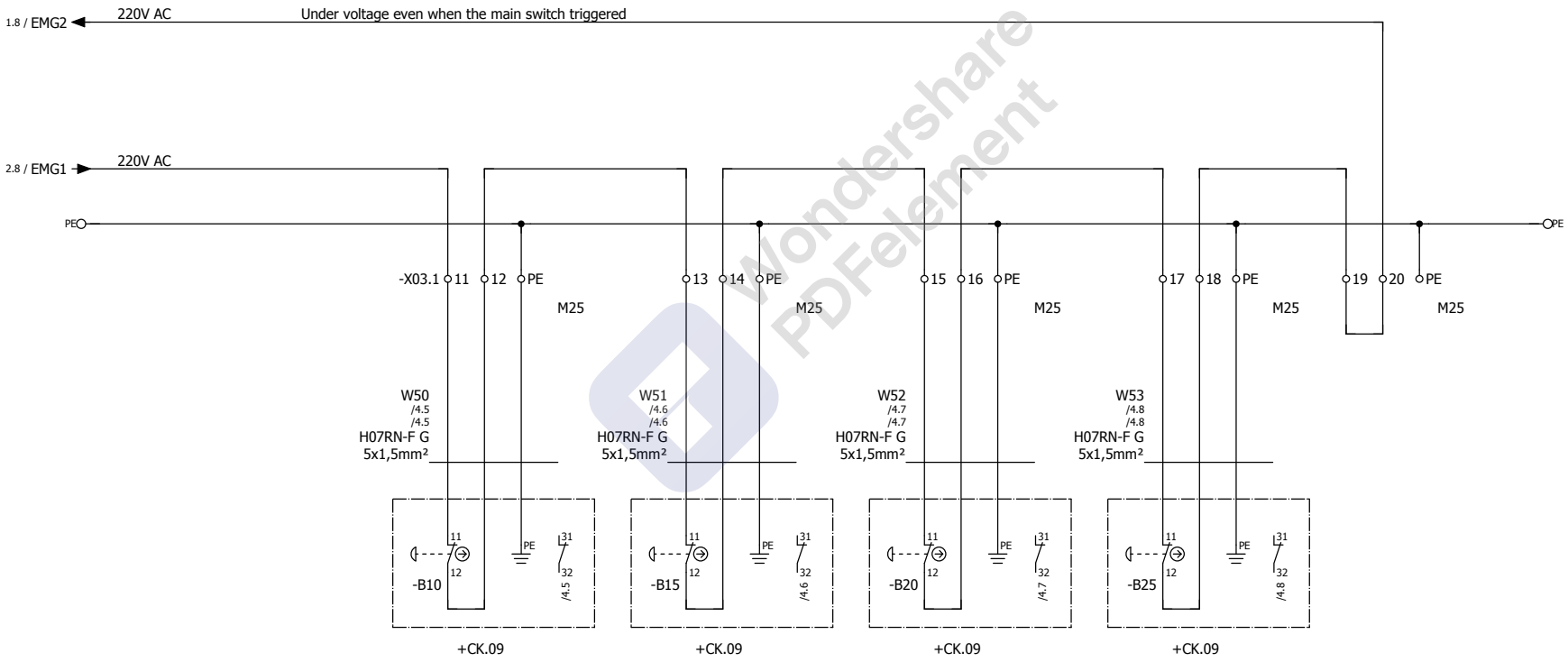

Wondershare PDFelement

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			Ed.	Schmidt					27/04/2010	+ MC1.09
			Appr	Dauterstedt					12344	Page 3 of 8
Modification	Date	Name	Original		Replacement of	Replaced by				062

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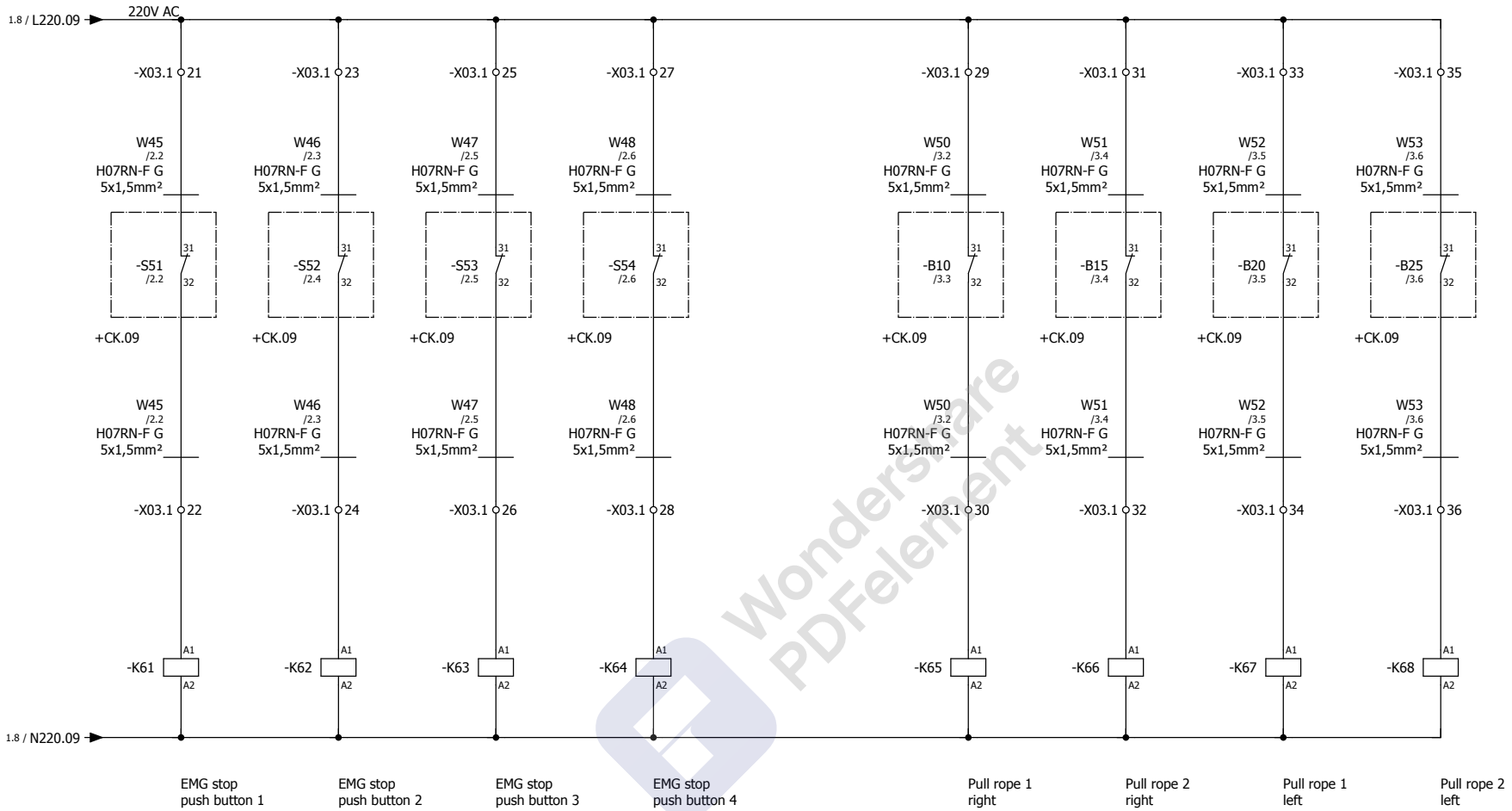

Under voltage even when the main switch triggered

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	PLC	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.09
			Appr	Dauterstedt				12344	Page 4 of 8
Modification	Date	Name	Original		Replacement of	Replaced by			063

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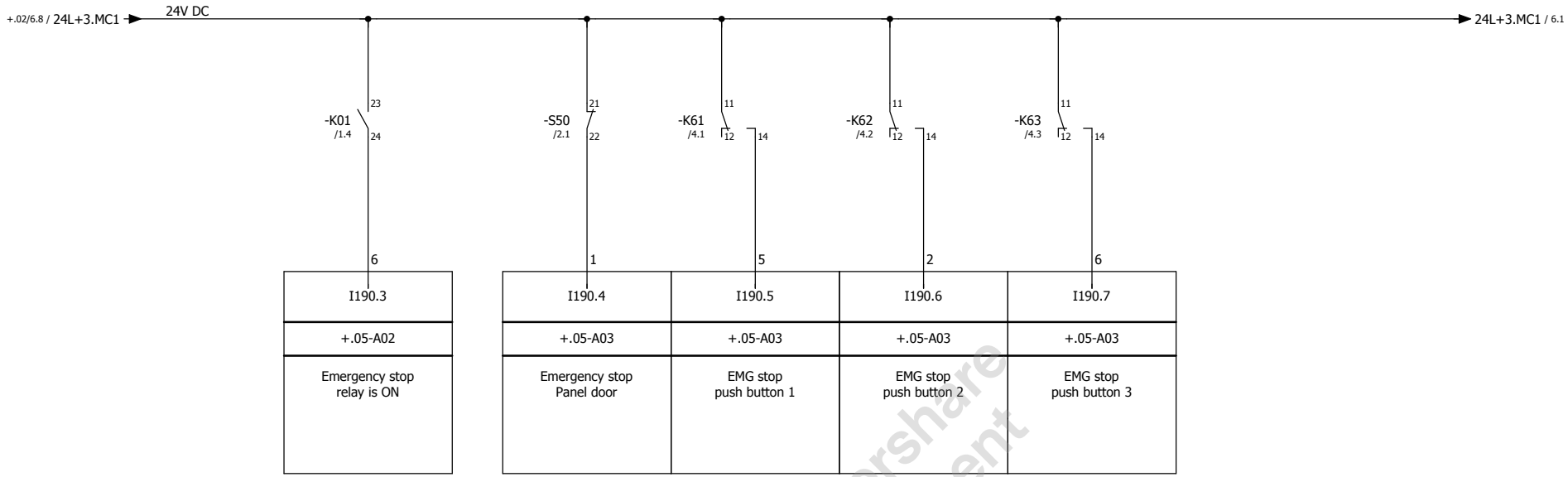
Wondershare PDFelement



Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	PLC		20.226	= 521BC05
			Ed.	Schmidt					27/04/2010	+ MC1.09
			Appr	Dauterstedt					12344	Page 5 of 8
Modification	Date	Name	Original		Replacement of	Replaced by				064

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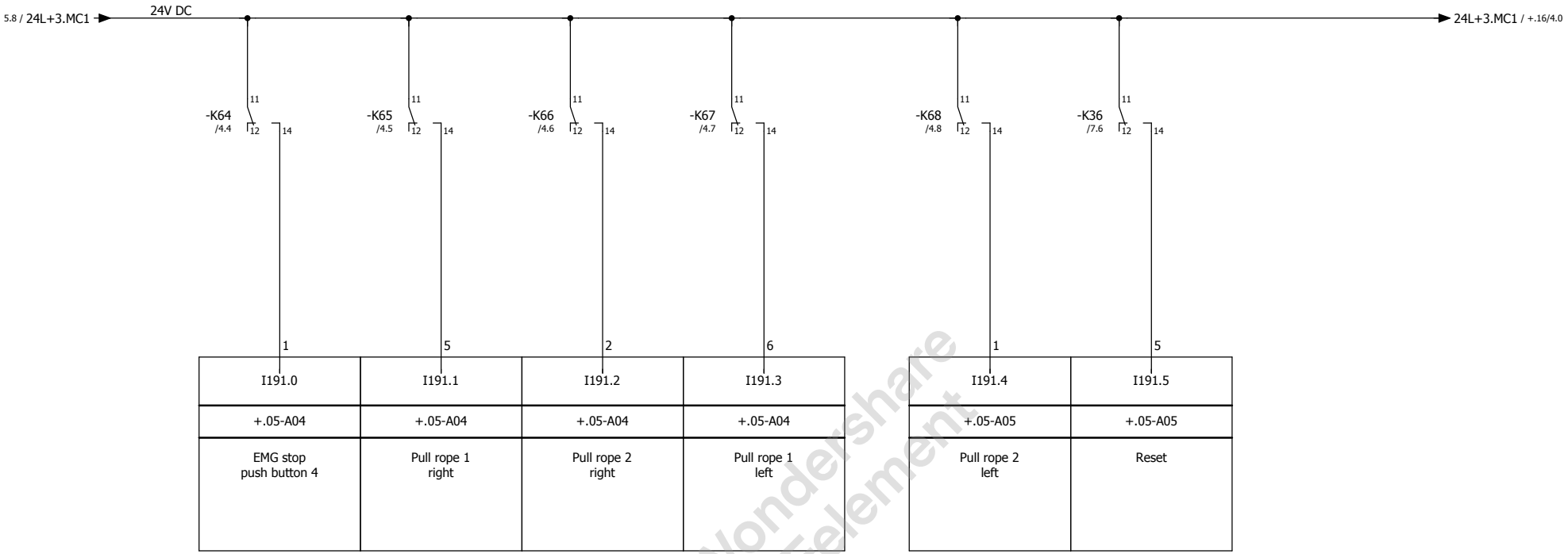
Wondershare PDFelement



Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	PLC		20.226	= 521BC05
			Ed.	Schmidt					27/04/2010	+ MC1.09
			Appr	Dauterstedt					12344	Page 6 of 8
Modification	Date	Name	Original		Replacement of	Replaced by				065

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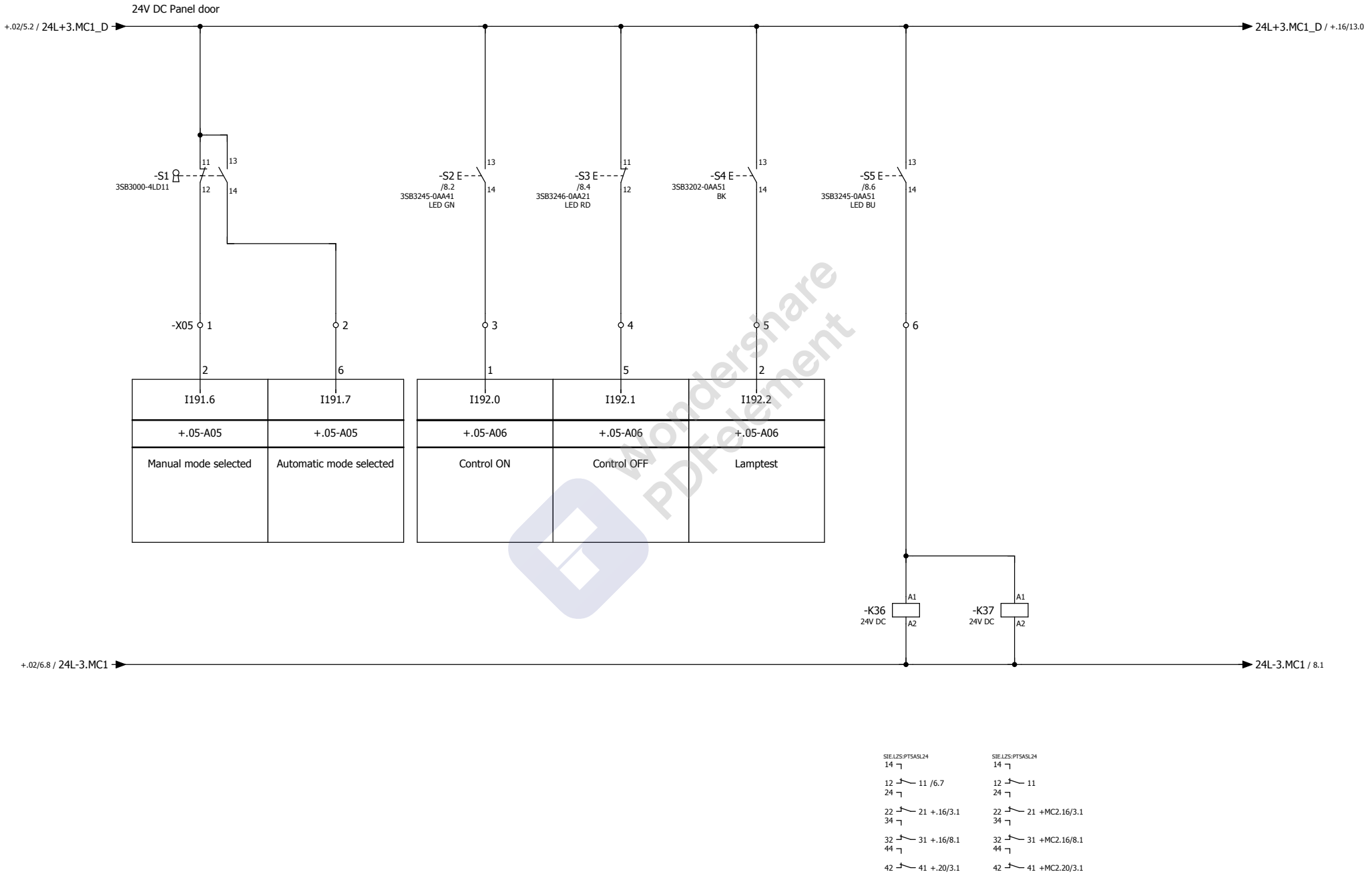
Wondershare PDFelement



			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	PLC	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.09
			Appr	Dauterstedt				12344	Page 7 of 8
Modification	Date	Name	Original		Replacement of	Replaced by			066

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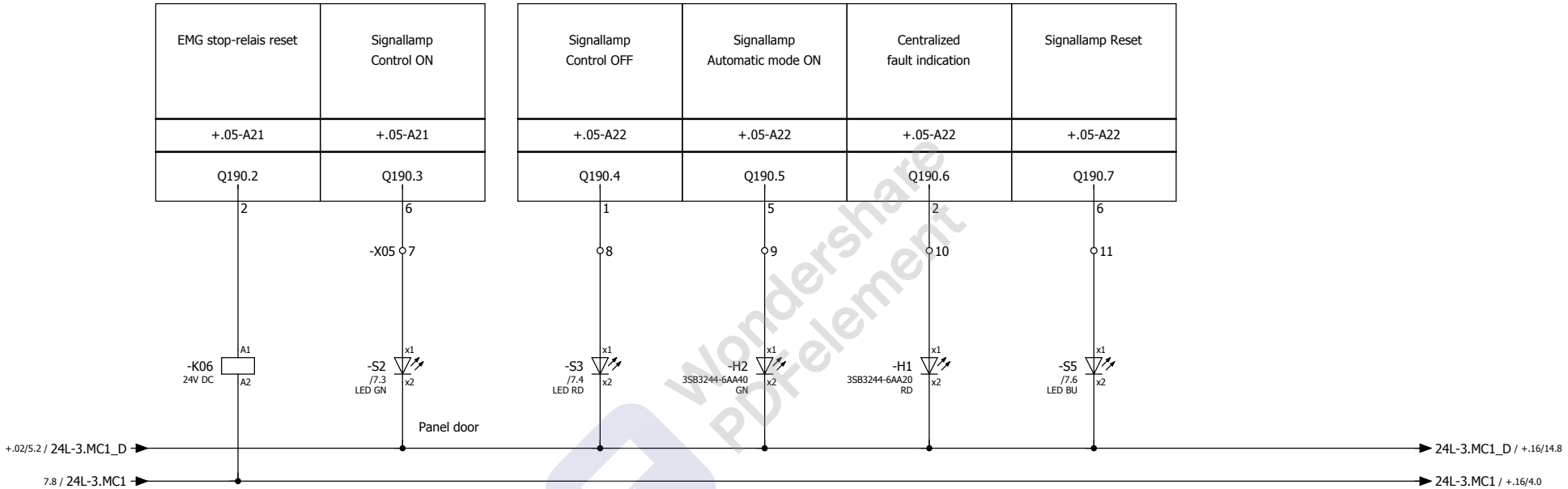
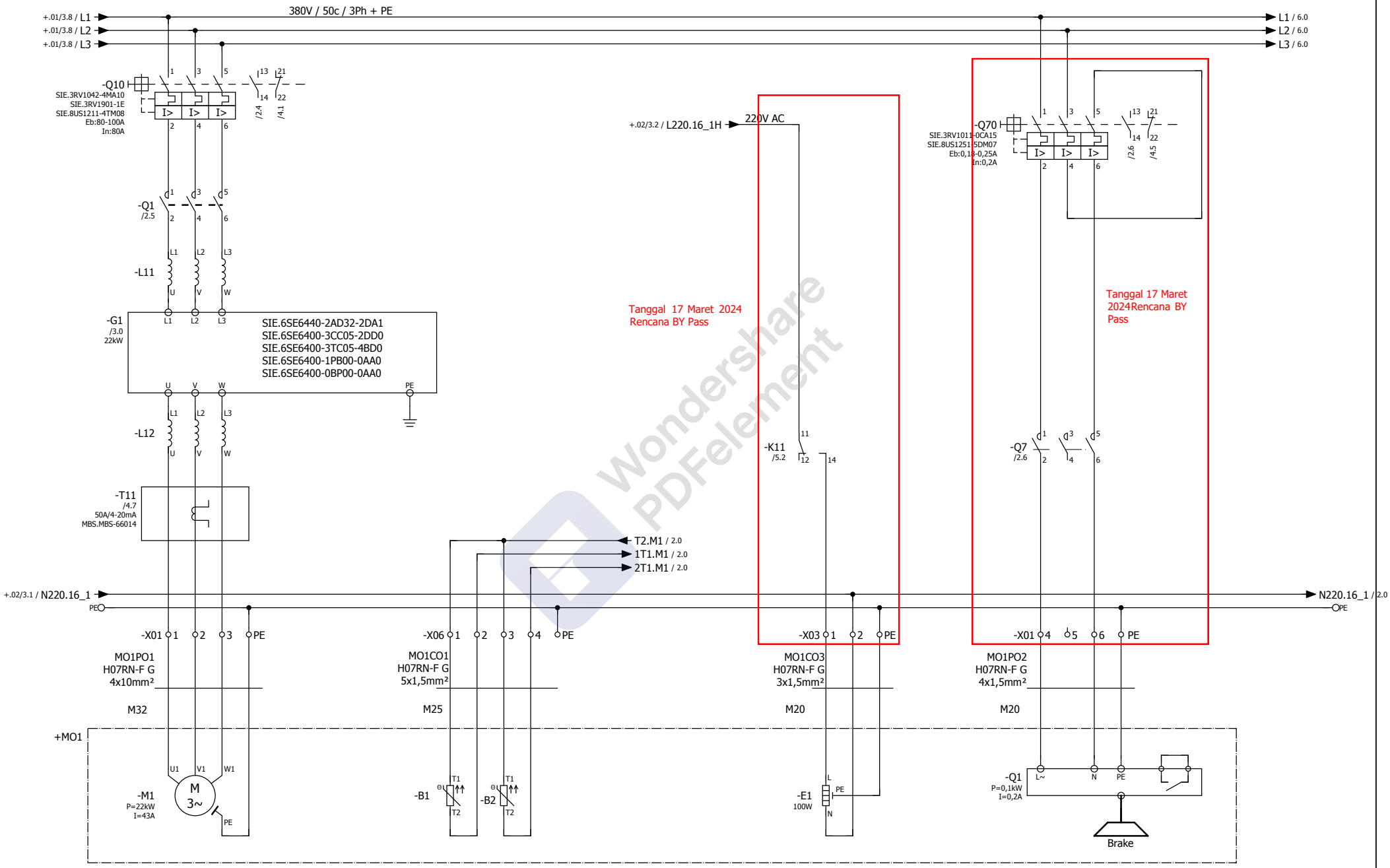
Wondershare PDFelement



SIE.3TX7004-1LB00
14
12 11 /1.3

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	PLC	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.09
			Appr	Dauterstedt				12344	Page 8 of 8
Modification	Date	Name	Original		Replacement of	Replaced by			067

Remove Watermark
Wondershare PDFelement



Motor 1 Belt drive

+.09/8

2

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Belt drives front	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.16
			Appr	Dauterstedt				12344	Page 1 of 14
Modification	Date	Name	Original		Replacement of	Replaced by			068

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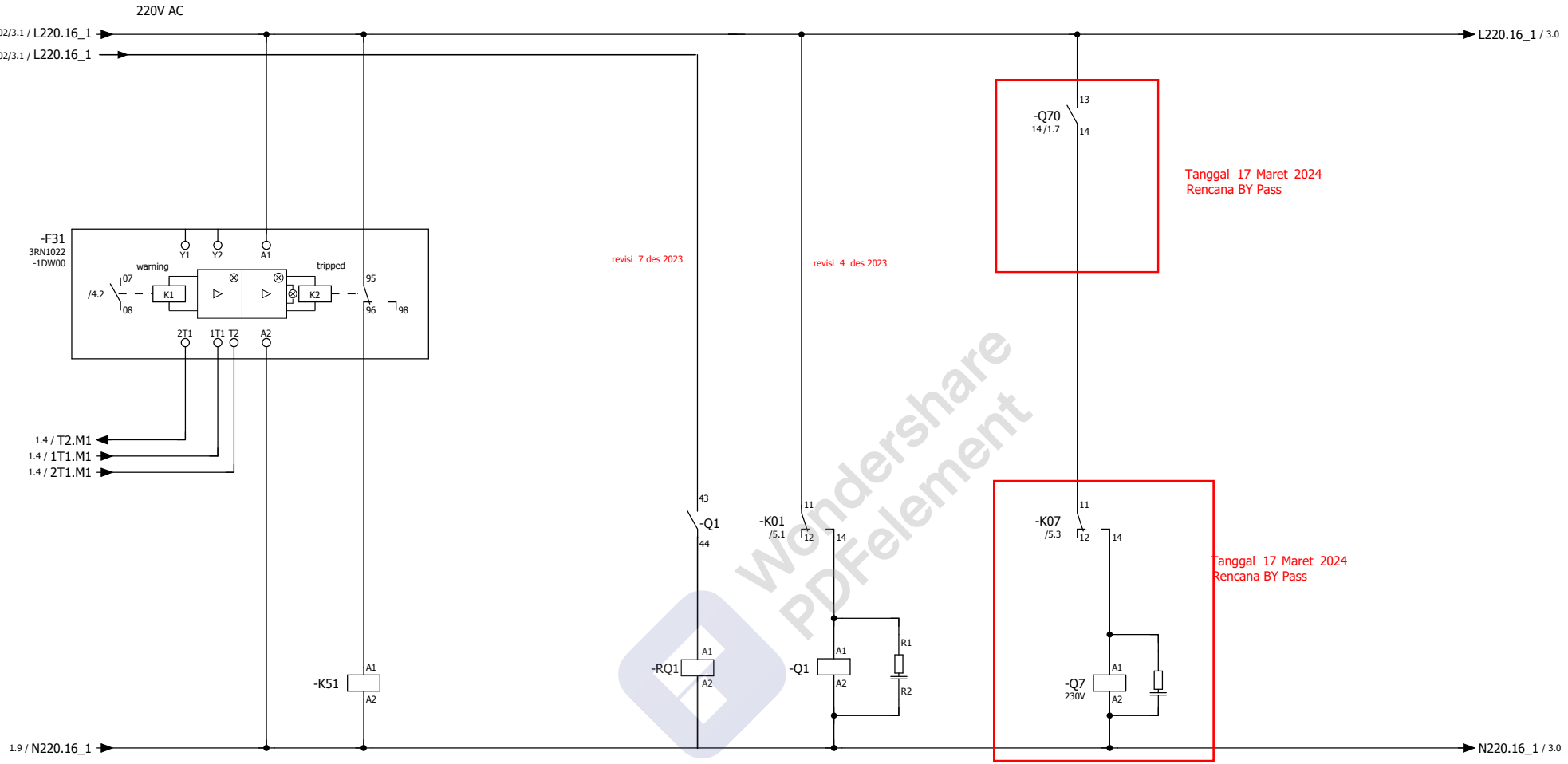
Wondershare PDFelement



SIE.LZS:RT4A4T30
14
12 11 /2.4
24
22 21 /4.2

SIE.3RT1036-1AP04 +SIE.3RT1936-1CD00
1 2 /1.1
3 4 /1.1
5 6 /1.1
13 14 /4.3
21 22
31 32
43 44

SIE.3RT1015-1AP01
SIE.3RH1911-1FA20
SIE.3RT1916-1CD00
SIE.3RA1911-1AA00
1 2 /1.7
3 4 /1.7
5 6 /1.7
13 14 /4.6
53 54 /3.1
63 64

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Belt drives front	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.16
			Appr	Dauterstedt				12344	Page 2 of 14
Modification	Date	Name	Original		Replacement of	Replaced by			069

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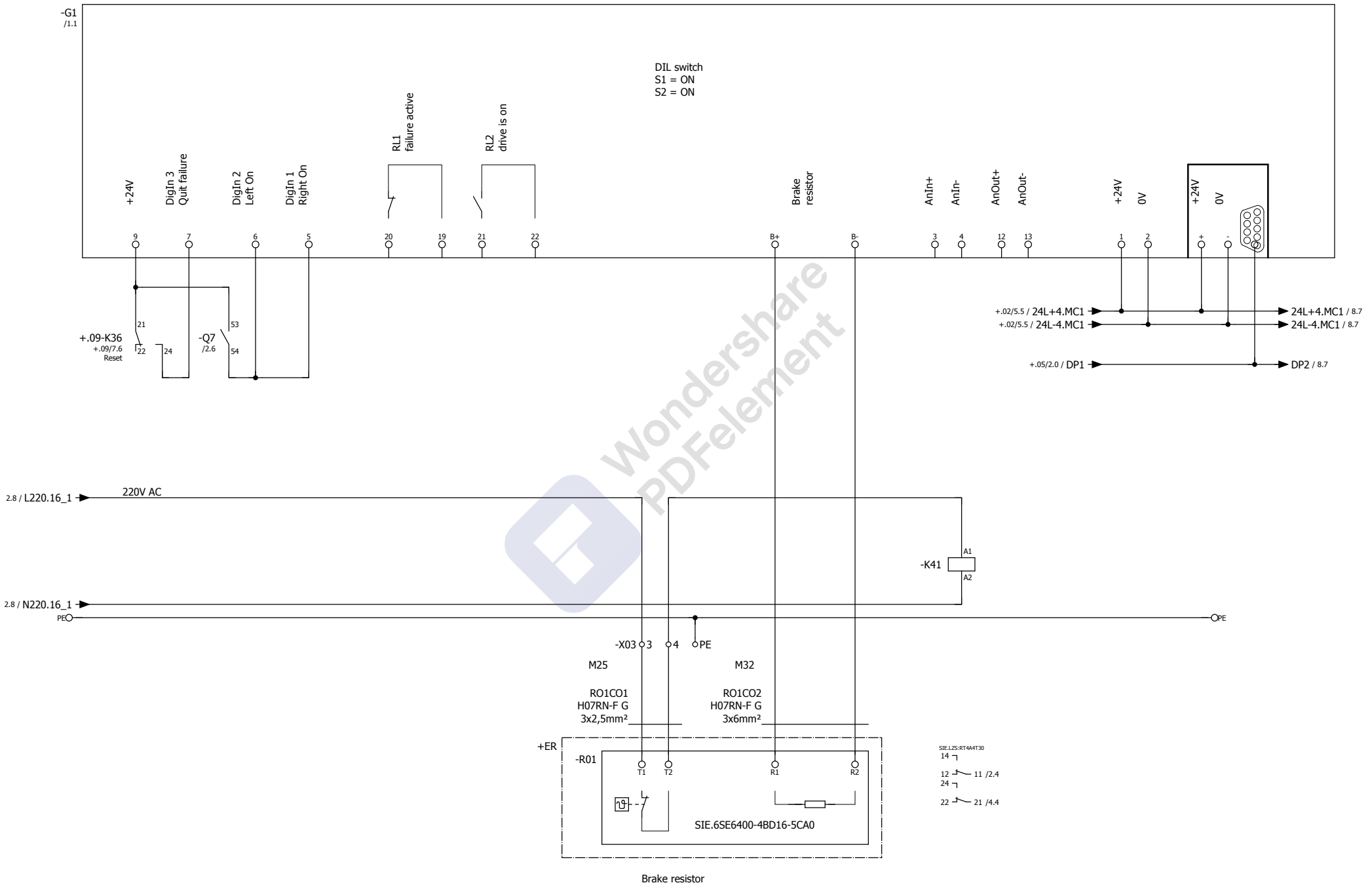

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Belt drives front	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.16
			Appr	Dauterstedt				12344	Page 3 of 14
Modification	Date	Name	Original		Replacement of	Replaced by			070

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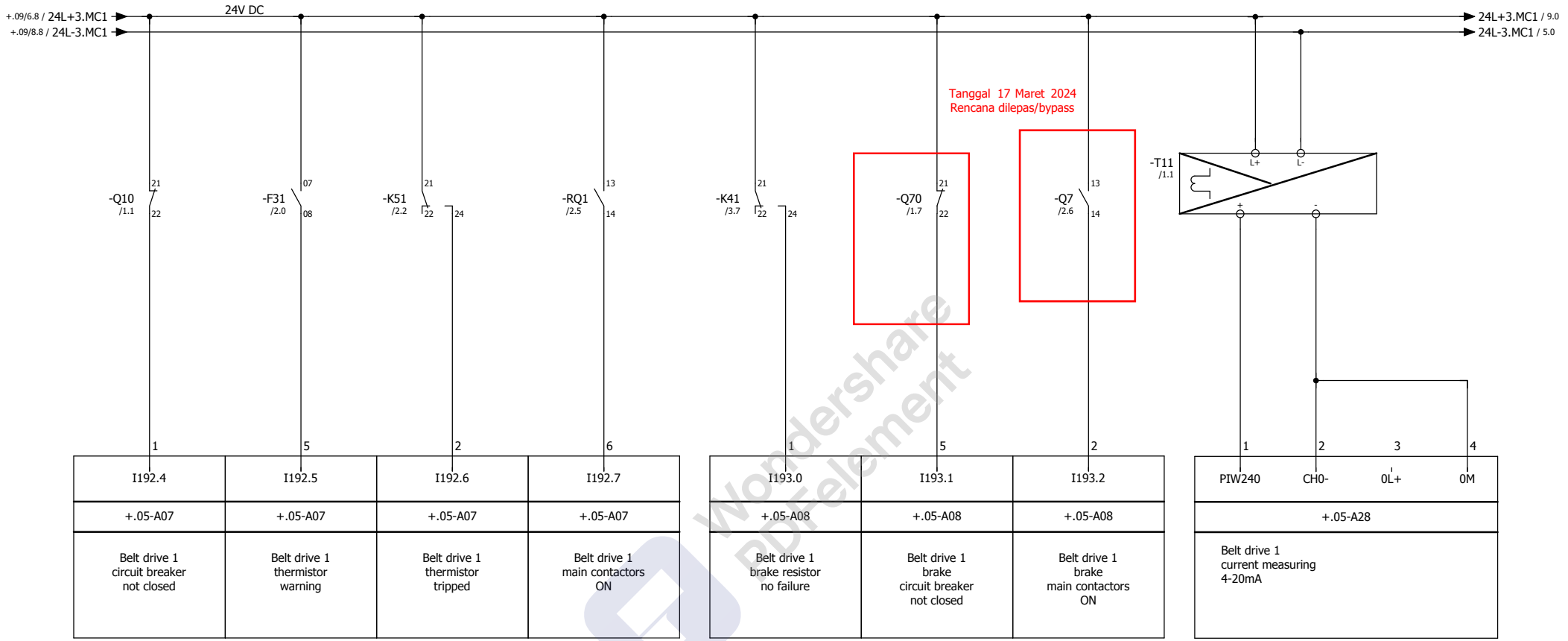
Wondershare PDFelement



Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Belt drives front	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.16
			Appr	Dauterstedt				12344	Page 4 of 14
Modification	Date	Name	Original		Replacement of	Replaced by			071

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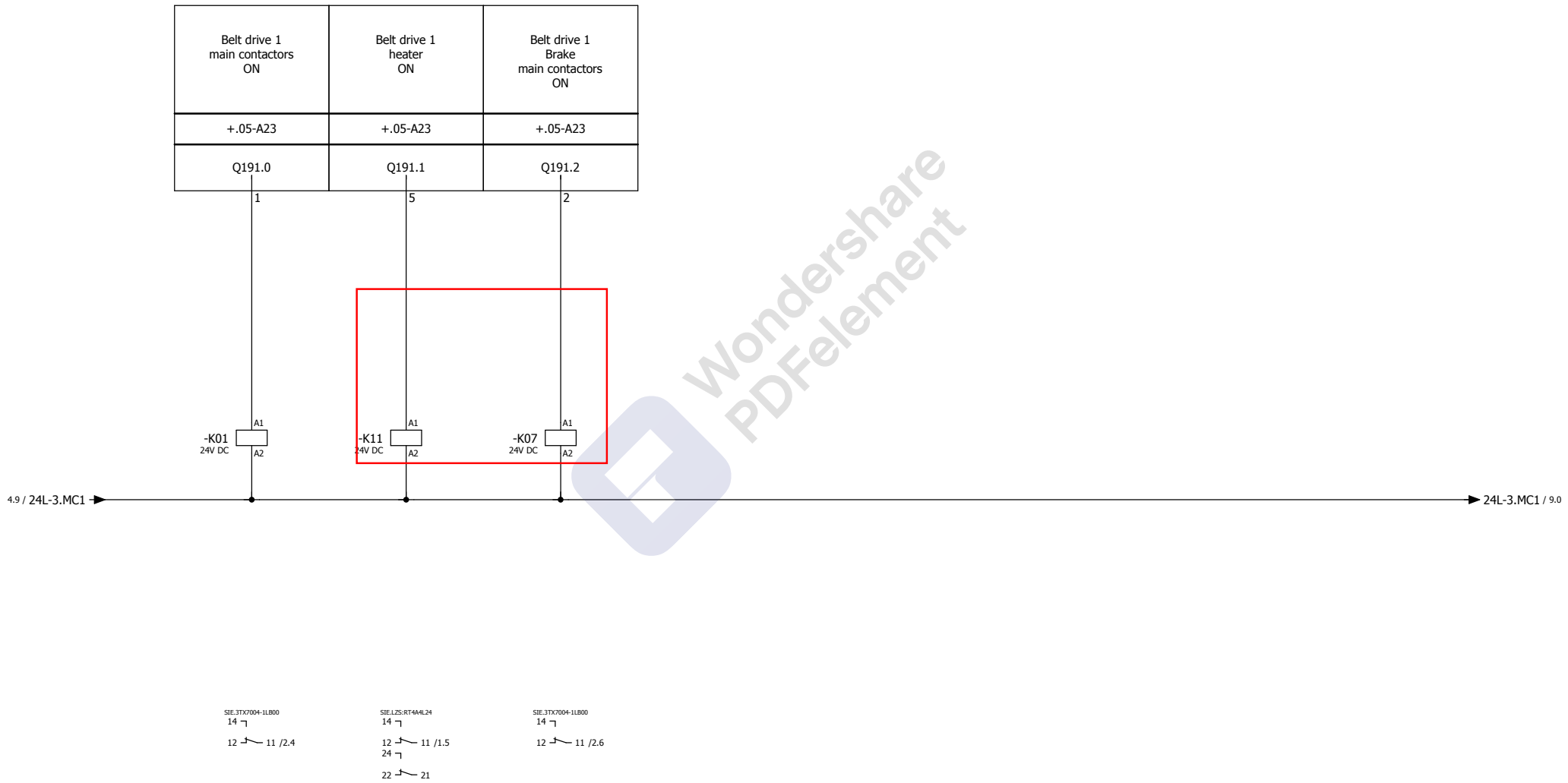
Wondershare PDFelement



Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Belt drives front	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.16
			Appr	Dauterstedt				12344	Page 5 of 14
Modification	Date	Name	Original		Replacement of	Replaced by			072

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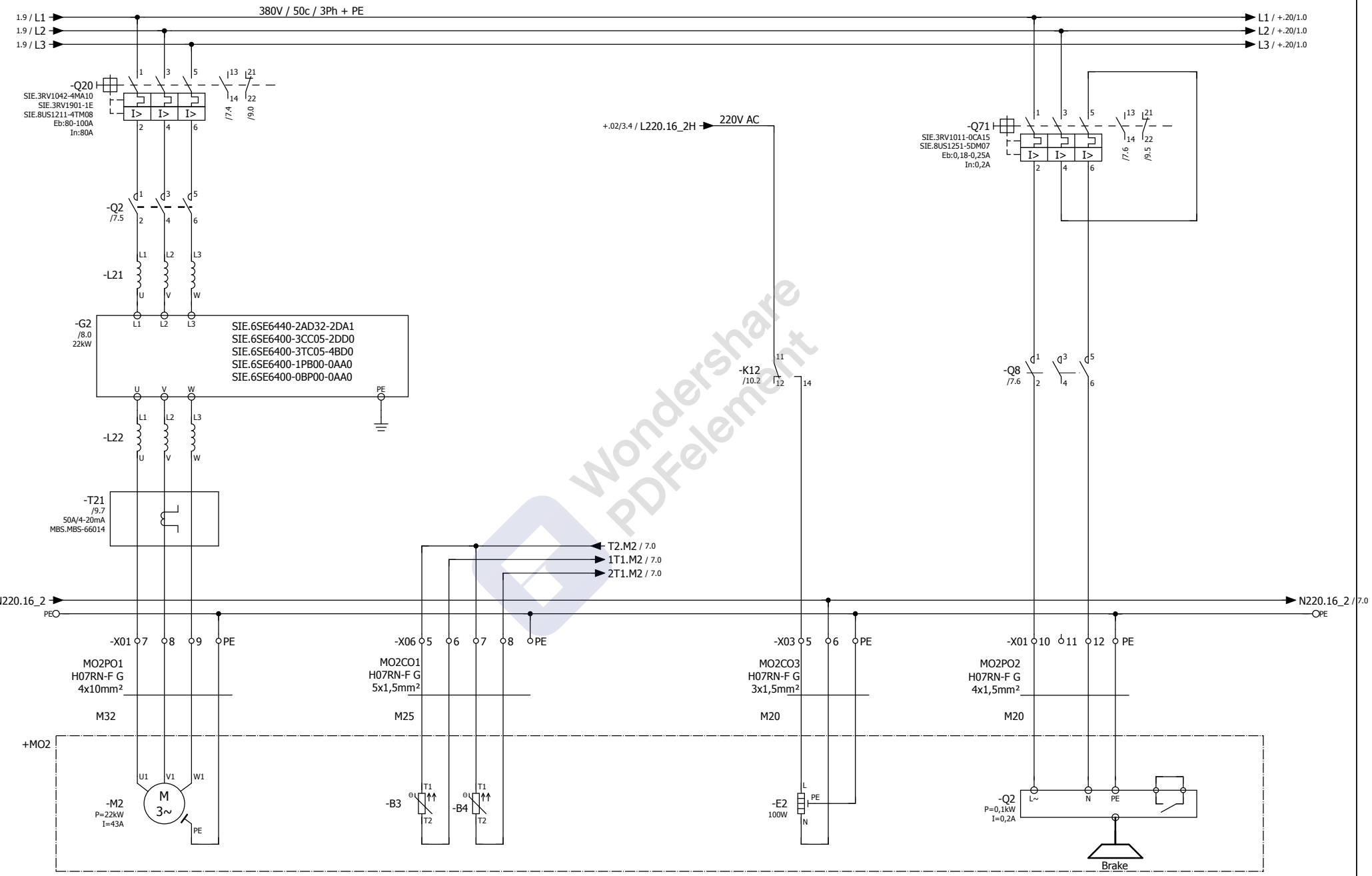

Motor 2 Belt drive

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Belt drives front	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.16
			Appr	Dauterstedt				12344	Page 6 of 14
Modification	Date	Name	Original		Replacement of	Replaced by			073

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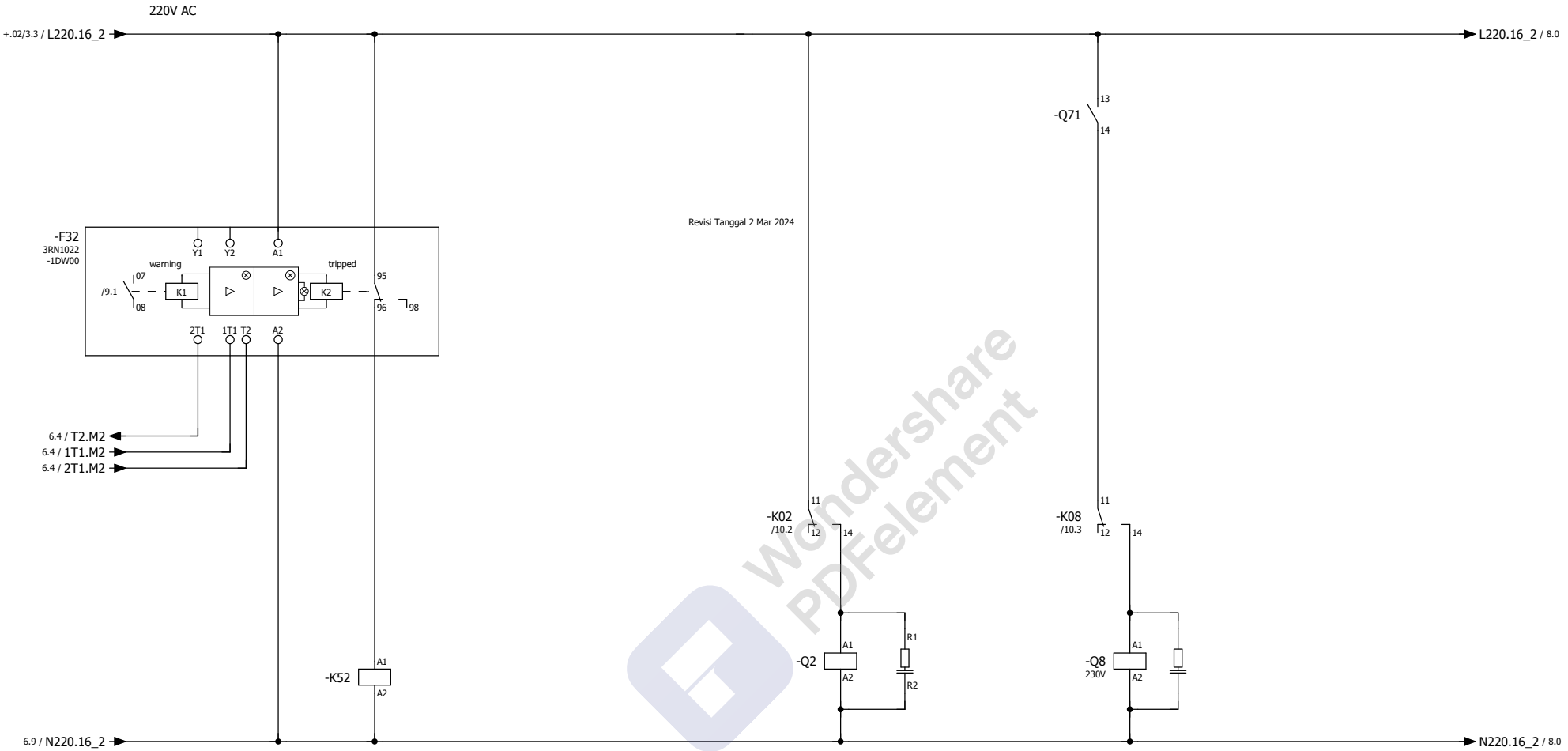
Wondershare PDFelement



SIE.LZS:RT4A4T30
14
12
24
22
11 /7.4
21 /9.2

SIE.3RT1036-1AP04 +SIE.3RT1936-1CD00
1 2 /6.1
3 4 /6.1
5 6 /6.1
13 14 /9.3
21 22
31 32
43 44

SIE.3RT1015-1AP01 SIE.3RH1911-1FA20 SIE.3RT1916-1CD00 SIE.3RA1911-1AA00
1 2 /6.7
3 4 /6.7
5 6 /6.8
13 14 /9.6
53 54 /8.1
63 64

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Belt drives front	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.16
			Appr	Dauterstedt				12344	Page 7 of 14
Modification	Date	Name	Original		Replacement of	Replaced by			074

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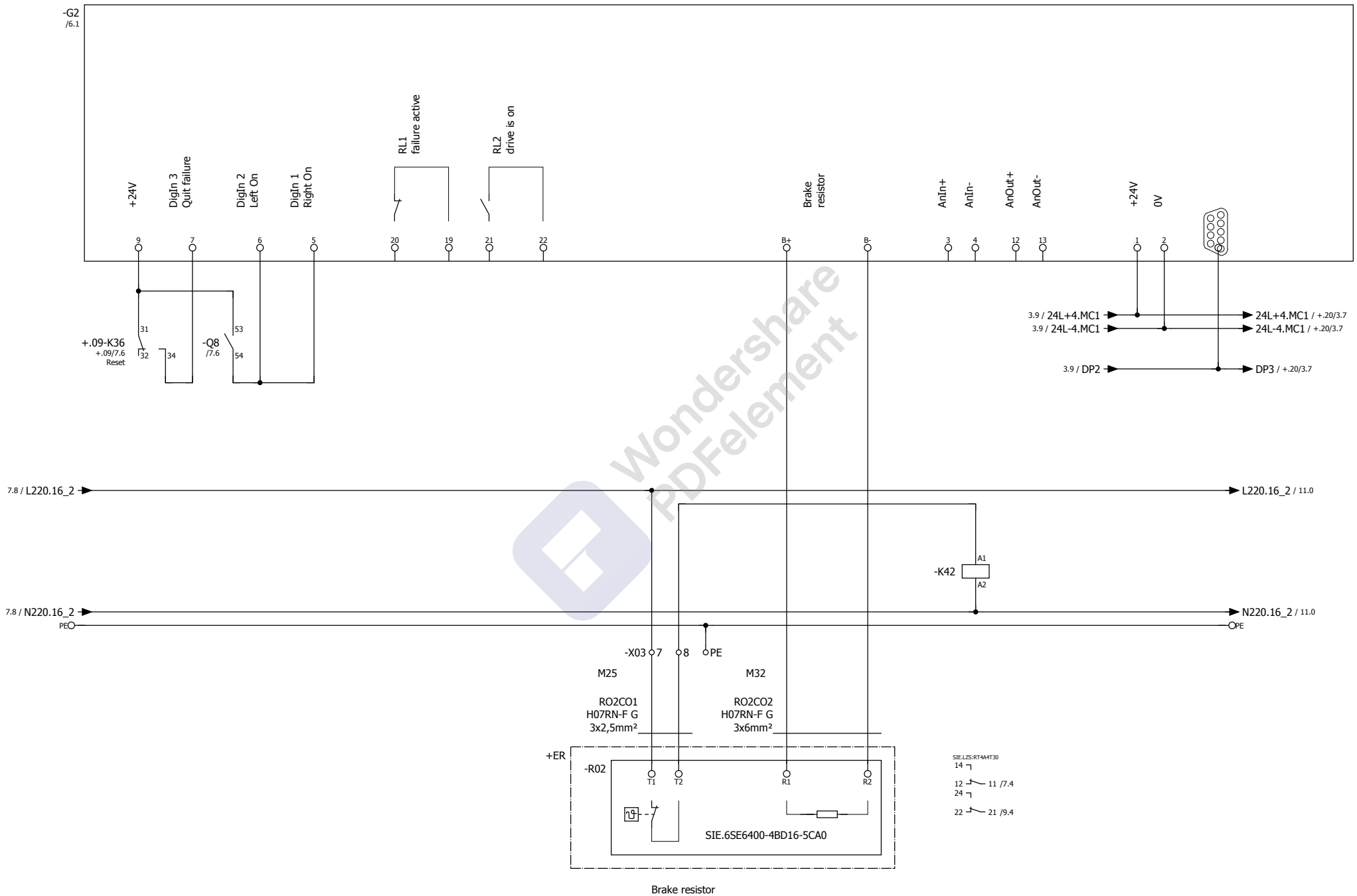
Wondershare PDFelement



Wondershare PDFelement

7 9

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Belt drives front	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.16
			Appr	Dauterstedt				12344	Page 8 of 14
Modification	Date	Name	Original		Replacement of	Replaced by			075

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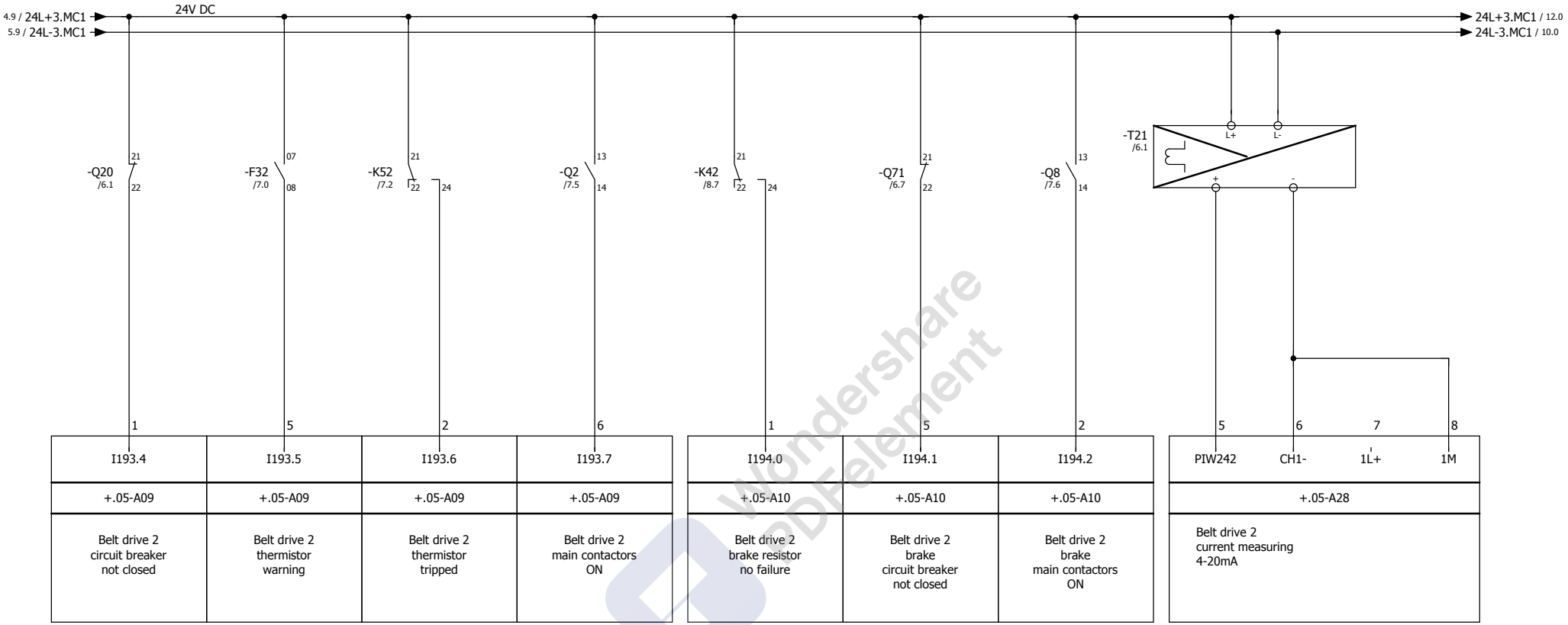
Wondershare PDFelement



Wondershare PDFelement

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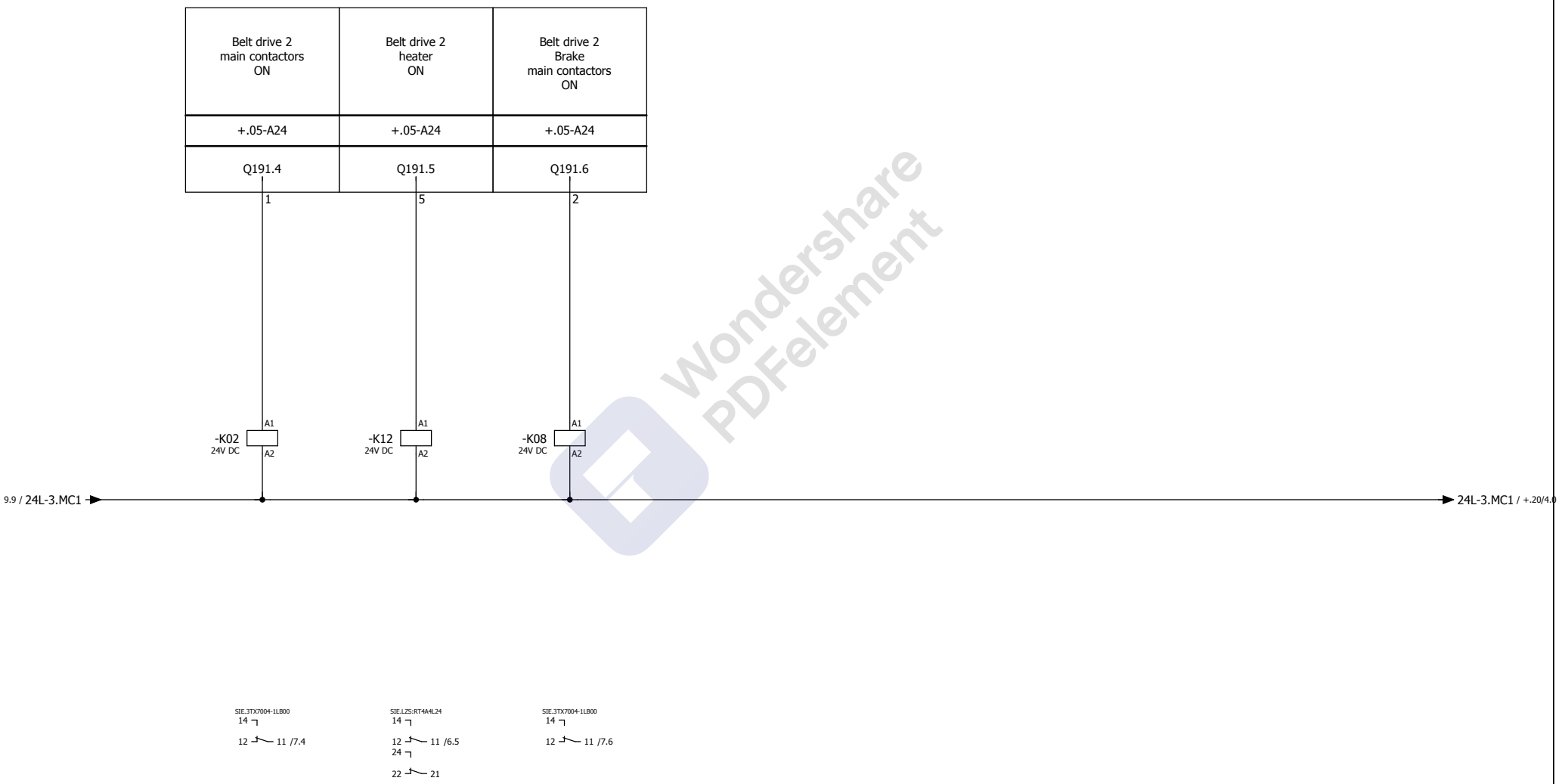

Wondershare PDFelement

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			Ed.	Schmidt					27/04/2010	+ MC1.16
			Appr	Dauterstedt					12344	Page 10 of 14
Modification	Date	Name	Original		Replacement of	Replaced by				077

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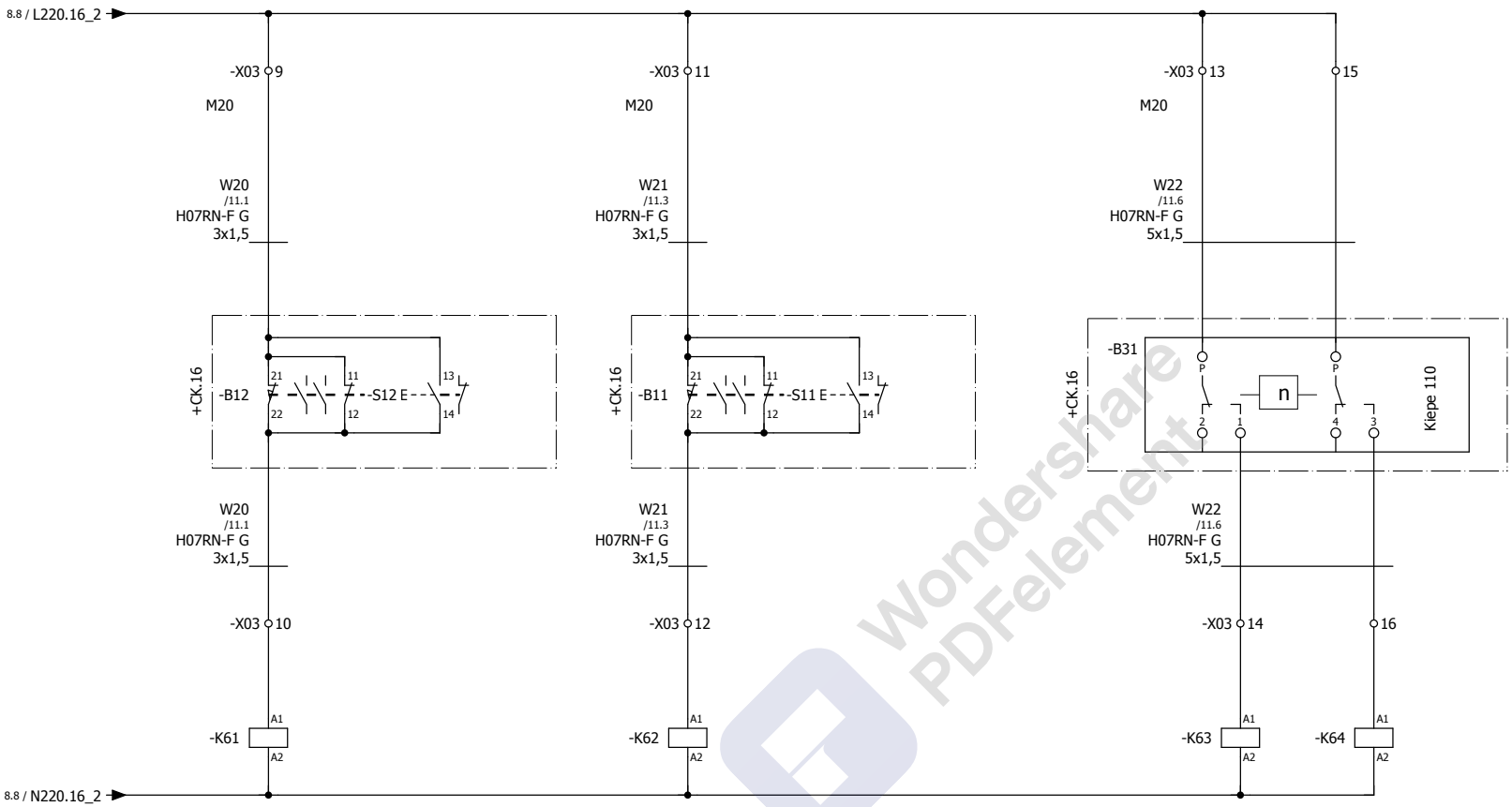
Wondershare PDFelement



Wondershare PDFelement

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			Ed.	Schmidt				27/04/2010	+ MC1.16
			Appr	Dauterstedt				12344	Page 11 of 14
Modification	Date	Name	Original		Replacement of	Replaced by			078

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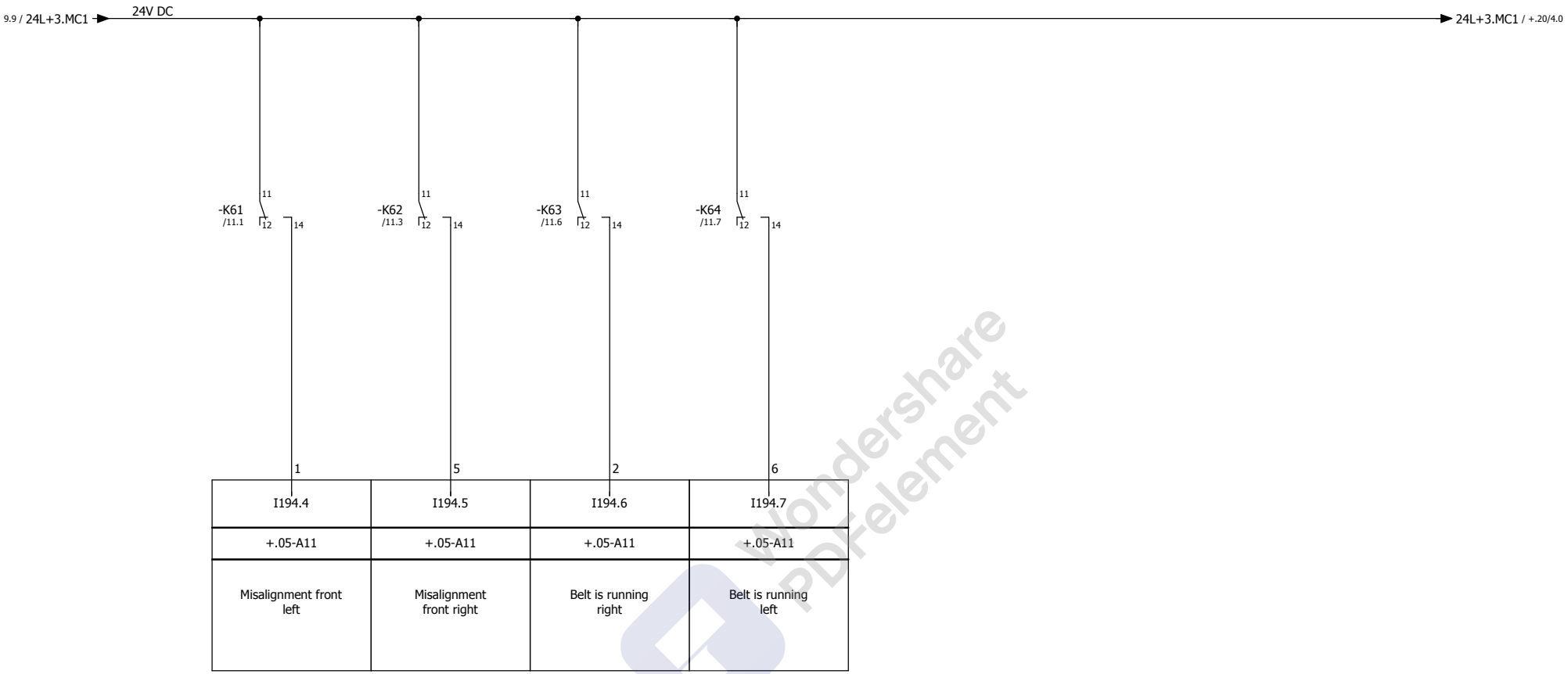
Wondershare PDFelement



Wondershare PDFelement

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			Ed.	Schmidt					27/04/2010	+ MC1.16
			Appr	Dauterstedt					12344	Page 12 of 14
Modification	Date	Name	Original		Replacement of	Replaced by				079

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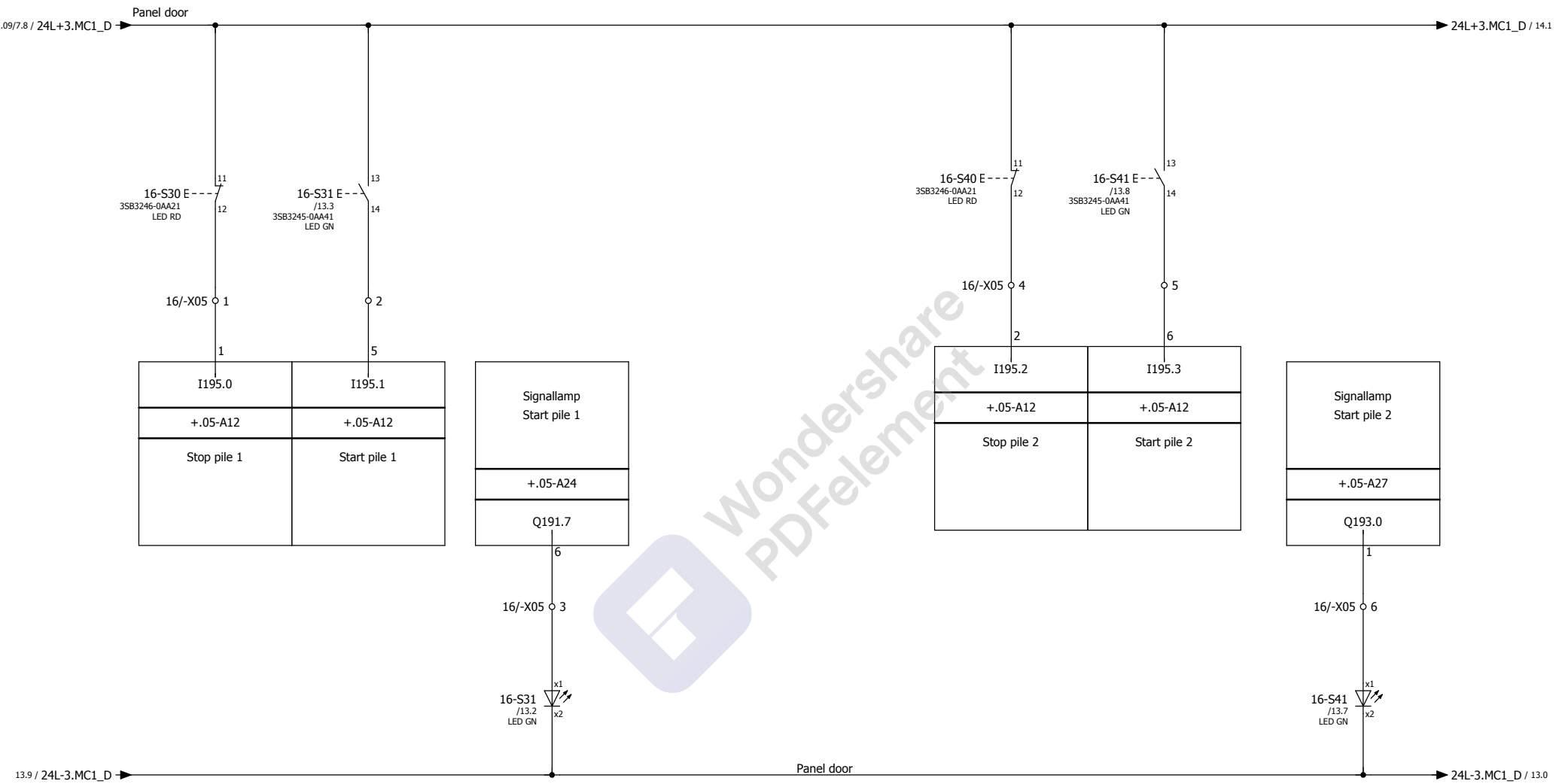

Wondershare PDFelement

12 14

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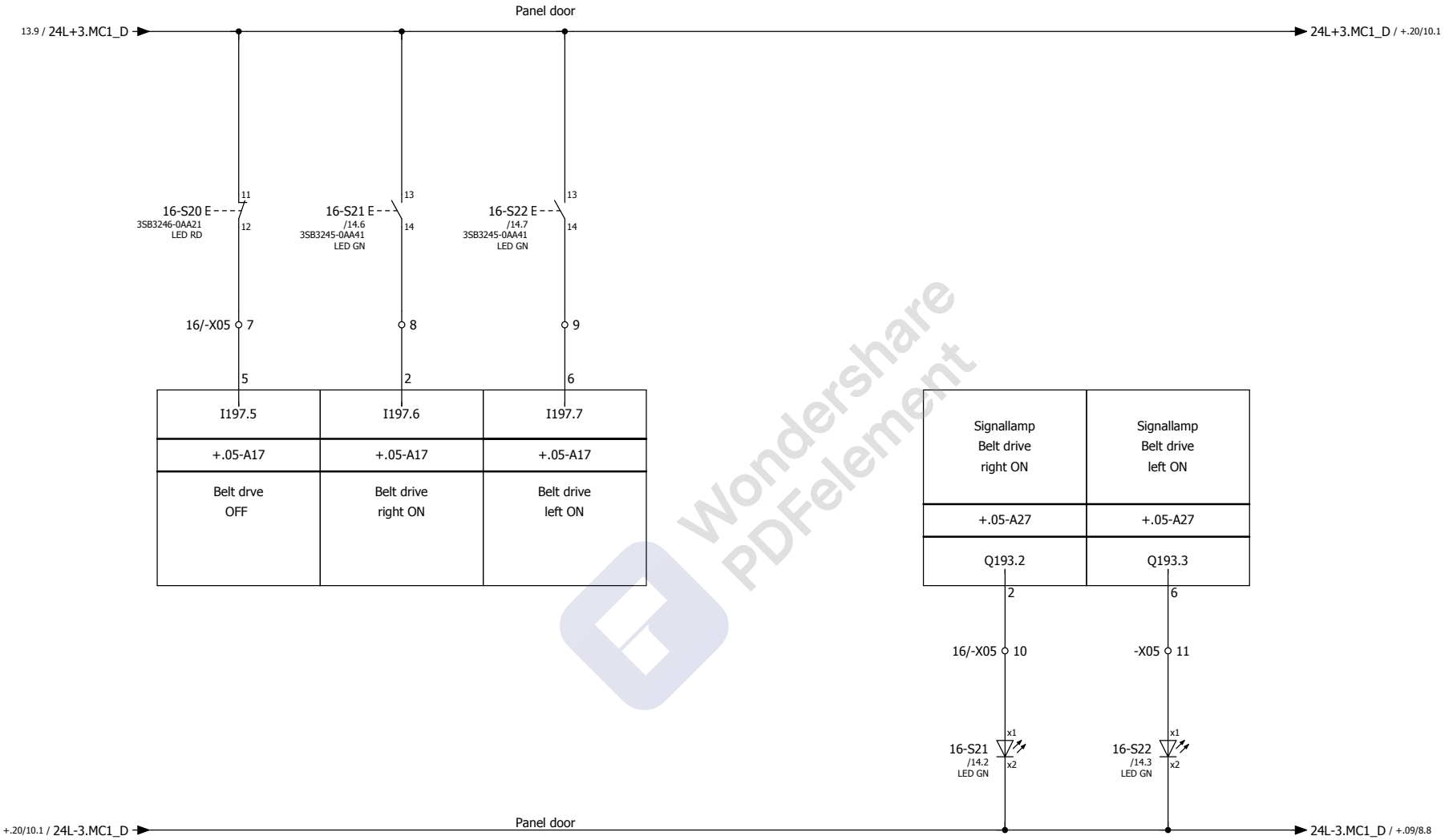
			Ed.	Schmidt					27/04/2010	+ MC1.16
			Appr	Dauterstedt					12344	Page 13 of 14
Modification	Date	Name	Original		Replacement of	Replaced by				080

Remove Watermark
Wondershare PDFelement



Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Belt drives	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.16
			Appr	Dauterstedt				12344	Page 14 of 14
Modification	Date	Name	Original		Replacement of	Replaced by			081

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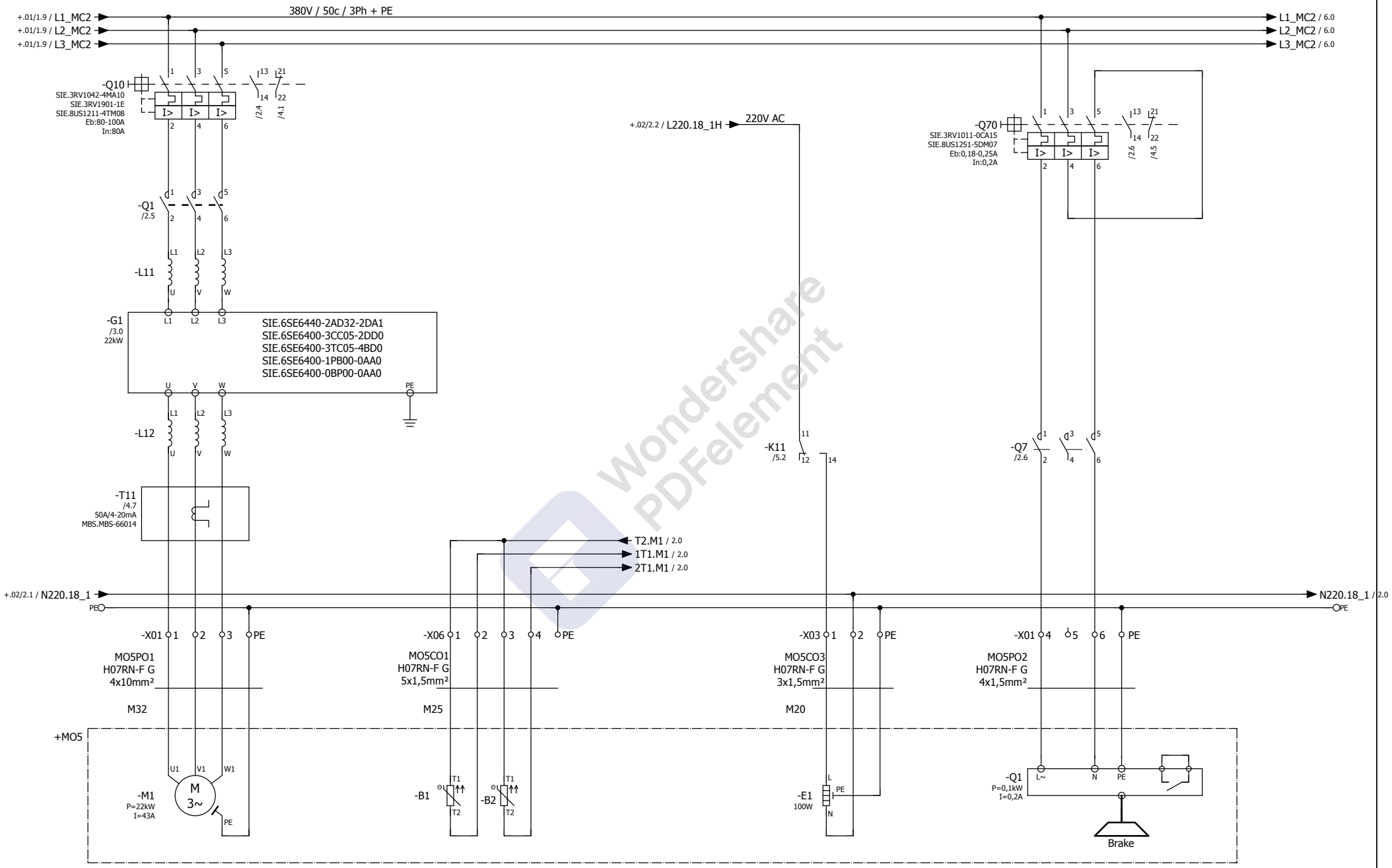
Wondershare PDFelement



Motor 3 Belt drive

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Belt drives rear	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC2.16
			Appr	Dauterstedt				12344	Page 1 of 12
Modification	Date	Name	Original		Replacement of	Replaced by			082

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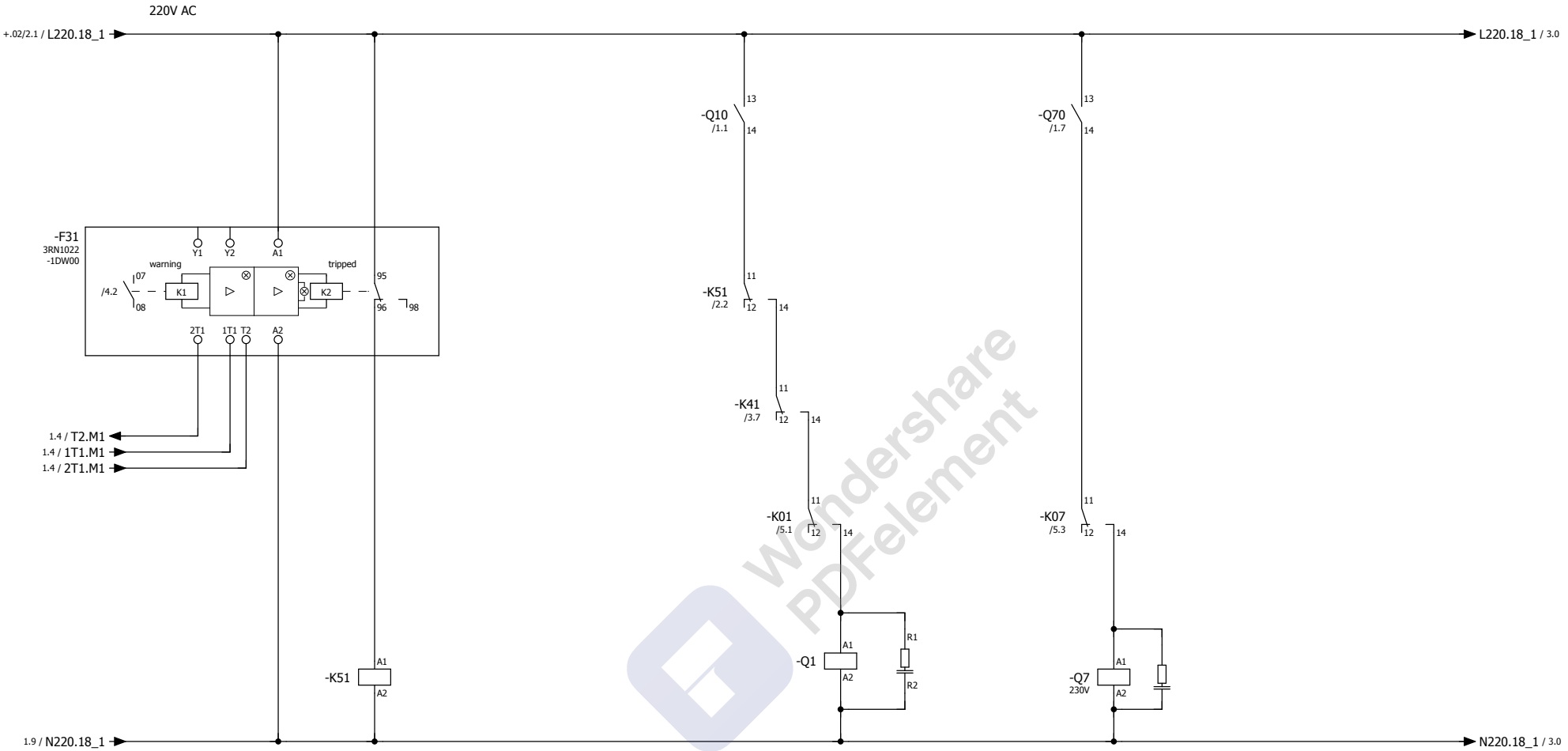
Wondershare PDFelement



SIE.LZS:RT4A4T30
14
12 — 11 /2.4
24
22 — 21 /4.2

SIE.3RT1036-1AP04 +SIE.3RT1936-1CD00
1 — 2 /1.1
3 — 4 /1.1
5 — 6 /1.1
13 — 14 /4.3
21 — 22
31 — 32
43 — 44

SIE.3RT1015-1AP01 SIE.3RH1911-1FA20 SIE.3RT1916-1CD00 SIE.3RA1911-1AA00
1 — 2 /1.7
3 — 4 /1.7
5 — 6 /1.7
13 — 14 /3.2
53 — 54
63 — 64
13 — 14 /4.6

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Belt drives rear	20.226 / 27/04/2010 / 12344	= 521BC05 / + MC2.16 / Page 2 of 12 / 083
			Ed.	Schmidt					
			Appr	Dauterstedt					
Modification	Date	Name	Original		Replacement of	Replaced by			

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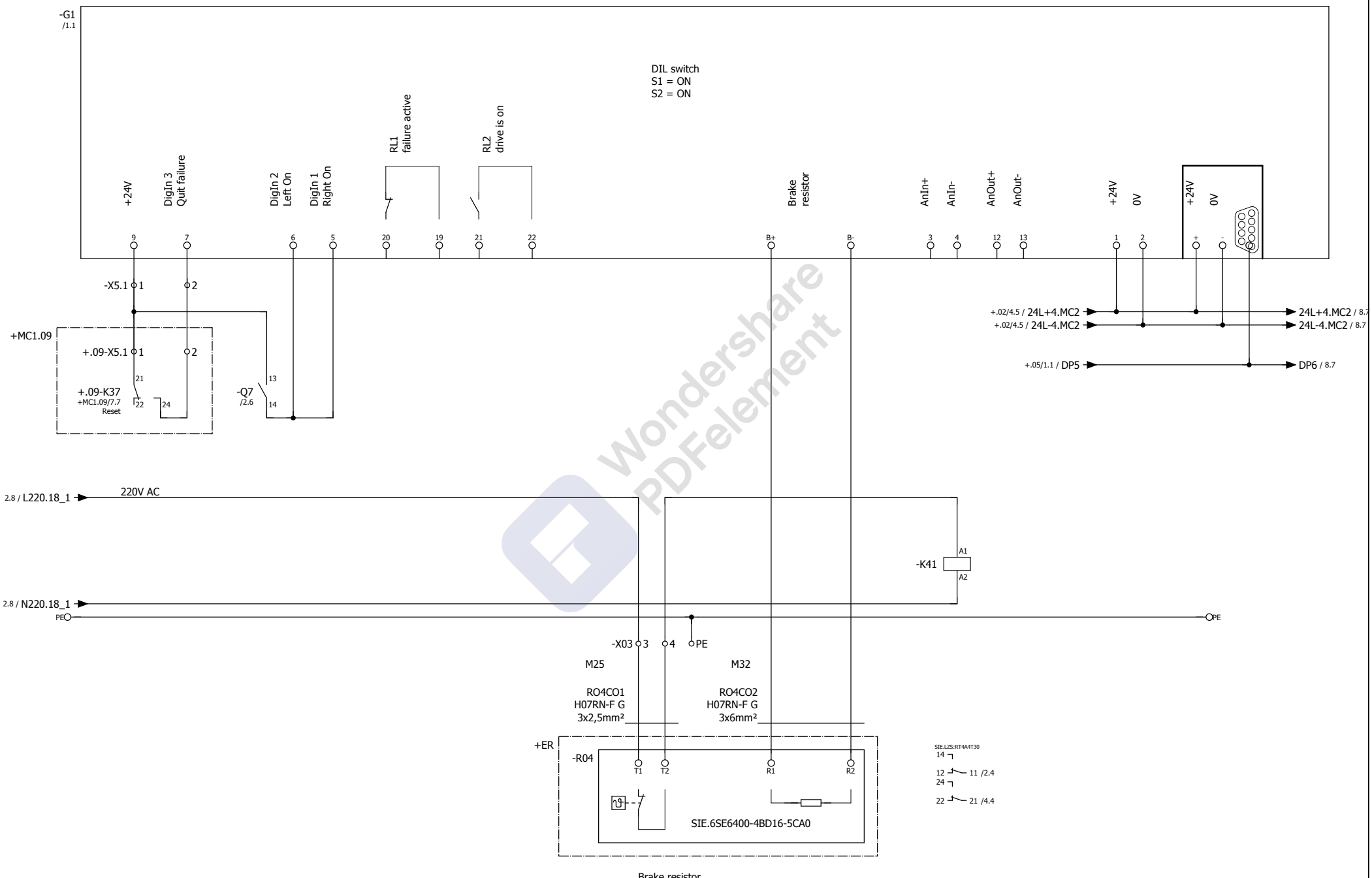

Brake resistor

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Belt drives rear	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC2.16
			Appr	Dauterstedt				12344	Page 3 of 12
Modification	Date	Name	Original		Replacement of	Replaced by			084

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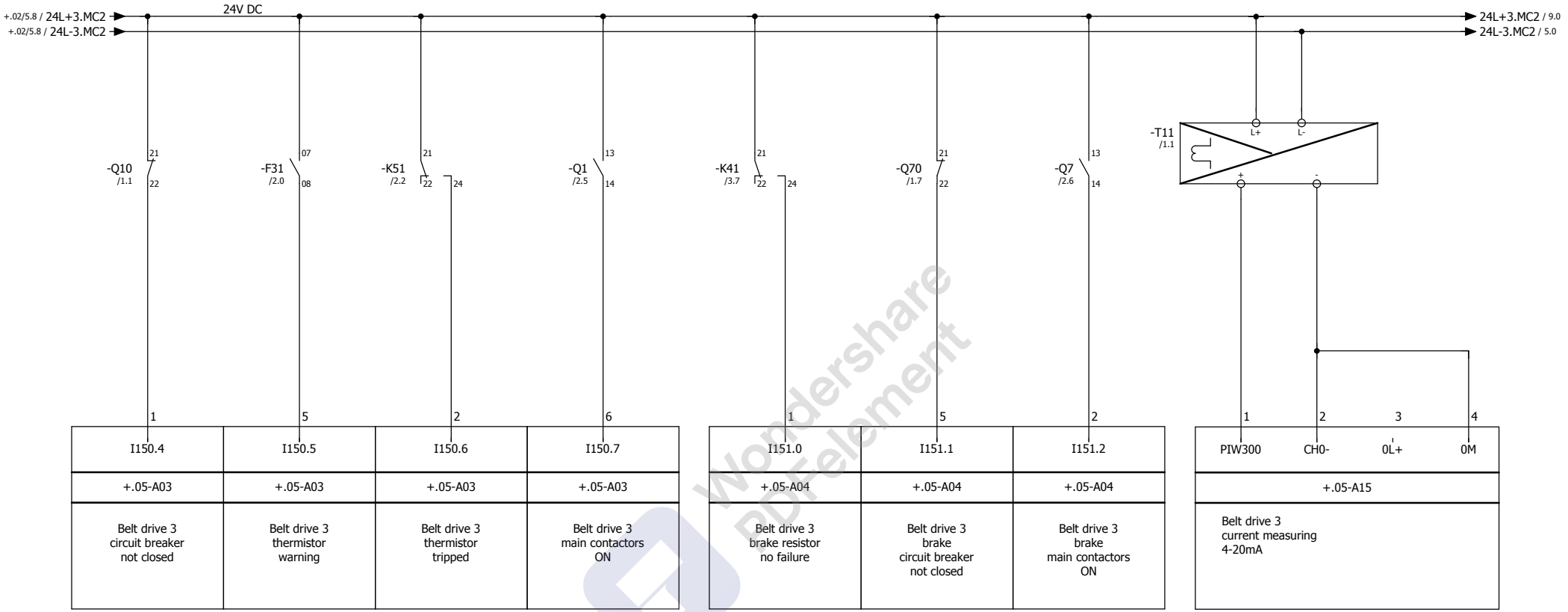
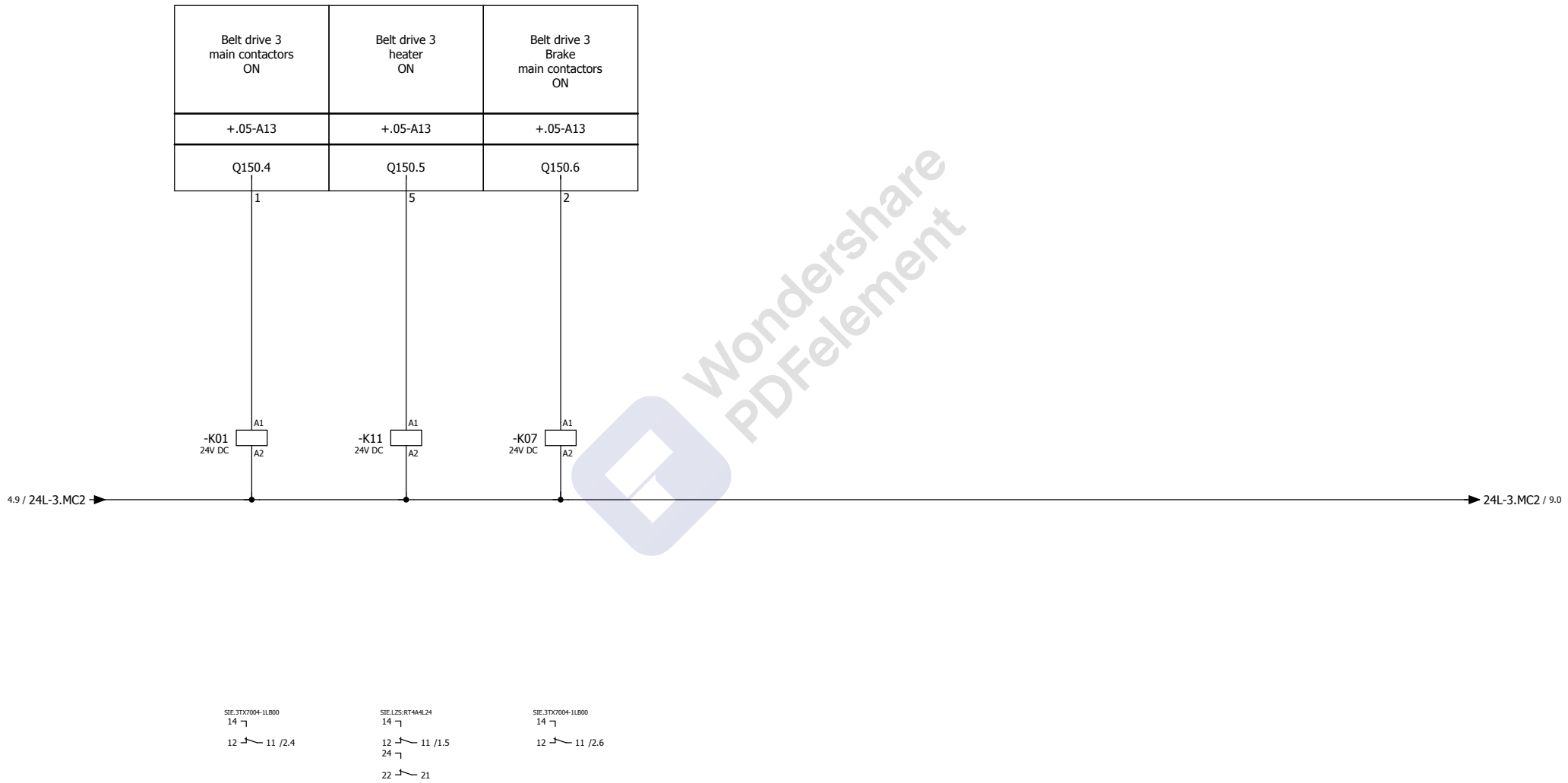


Wondershare PDFelement

Remove Watermark
Wondershare PDFelement



Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Belt drives rear	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC2.16
			Appr	Dauterstedt				12344	Page 5 of 12
Modification	Date	Name	Original		Replacement of	Replaced by			086

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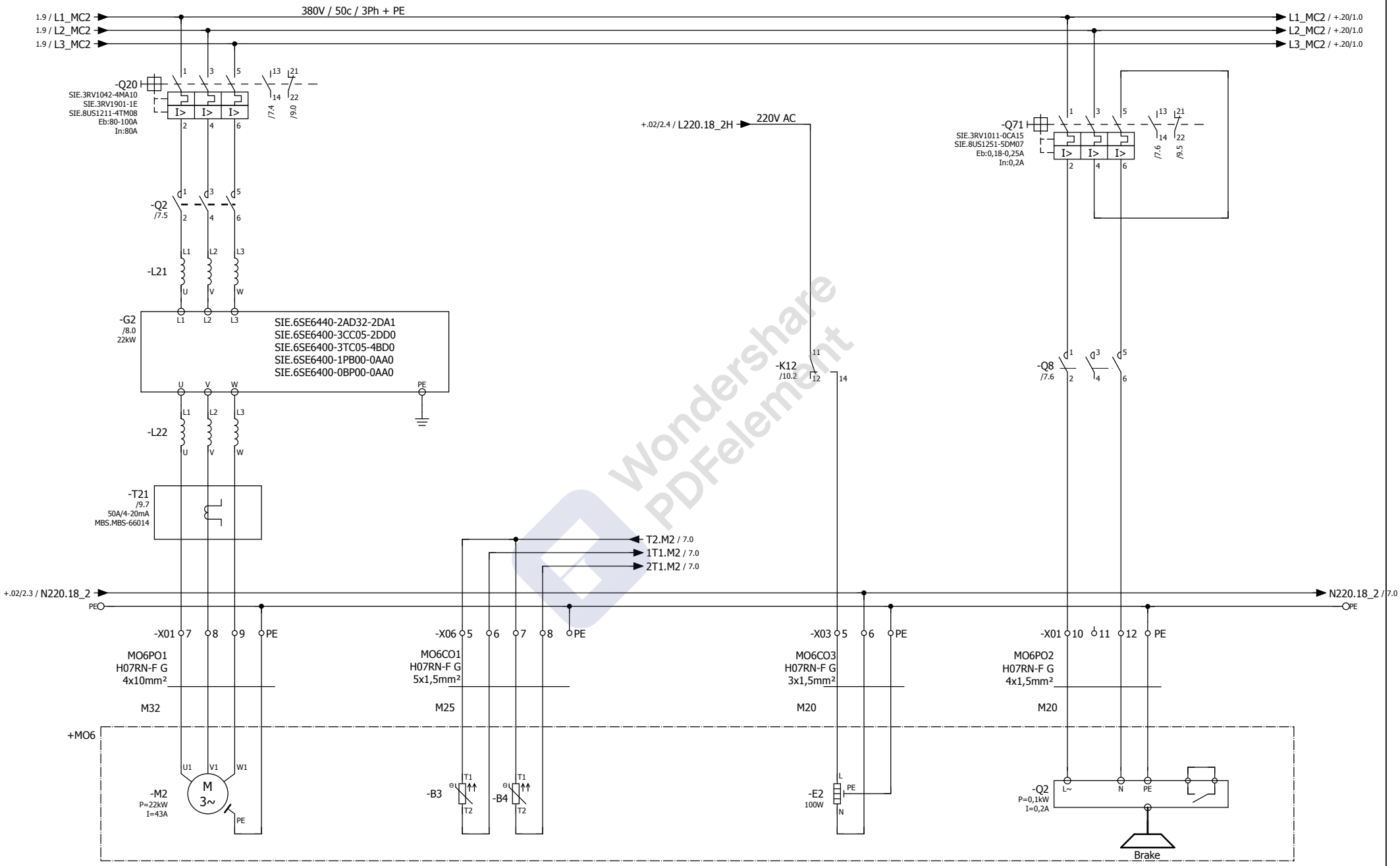
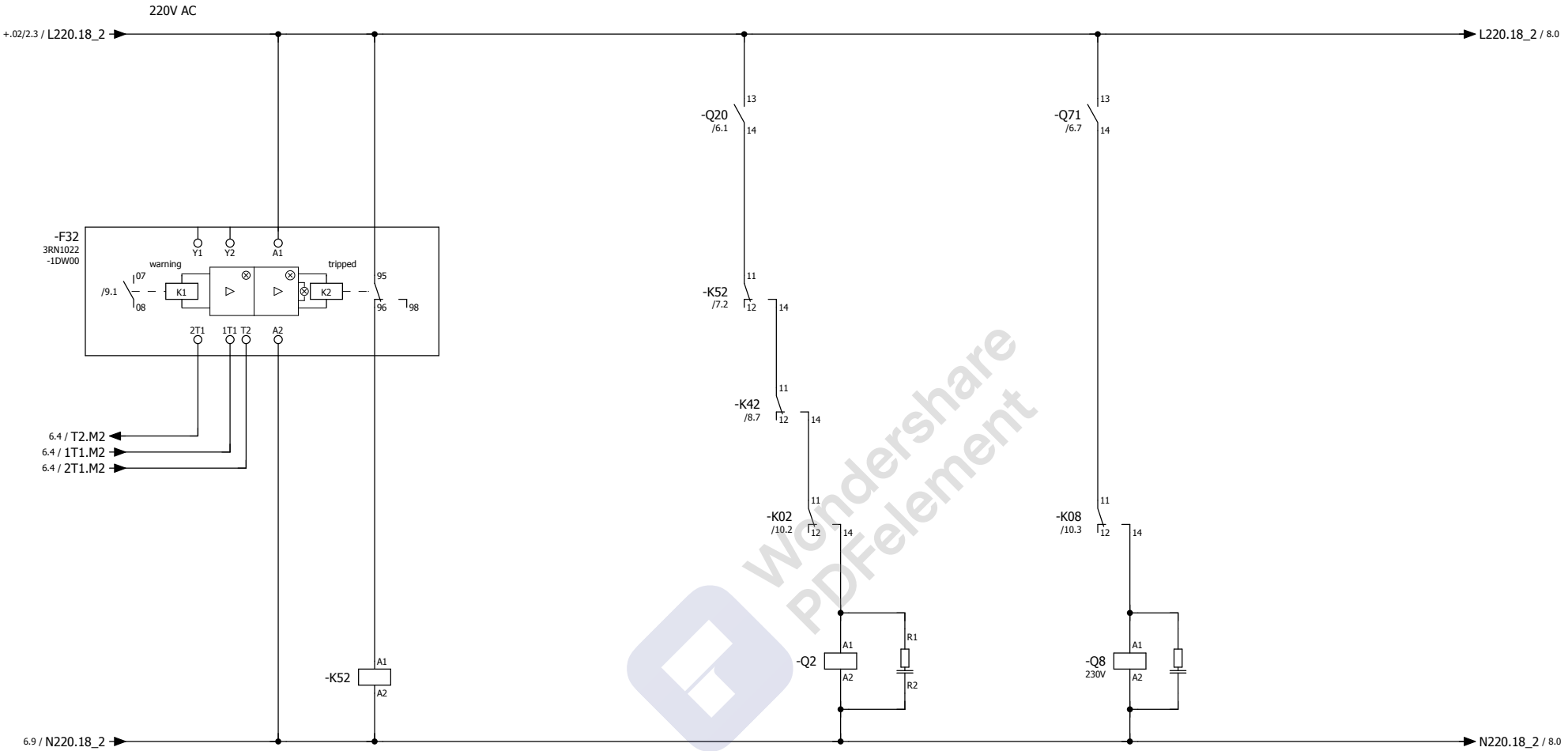


Motor 4 Belt drive

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Belt drives rear	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC2.16
			Appr	Dauterstedt				12344	Page 6 of 12
Modification	Date	Name	Original		Replacement of	Replaced by			087

Remove Watermark
Wondershare PDFelement



SIE.LZS:RT4A4T30
14
12 11 /7.4
24
22 21 /9.2

SIE.3RT1036-1AP04 +SIE.3RT1936-1CD00
1 2 /6.1
3 4 /6.1
5 6 /6.1
13 14 /9.3
21 22
31 32
43 44

SIE.3RT1015-1AP01 SIE.3RH1911-1FA20 SIE.3RT1916-1CD00 SIE.3RA1911-1AA00
1 2 /6.7
3 4 /6.7
5 6 /6.8
13 14 /8.2
53 54
63 64
13 14 /9.6

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Belt drives rear	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC2.16
			Appr	Dauterstedt				12344	Page 7 of 12
Modification	Date	Name	Original		Replacement of	Replaced by			088

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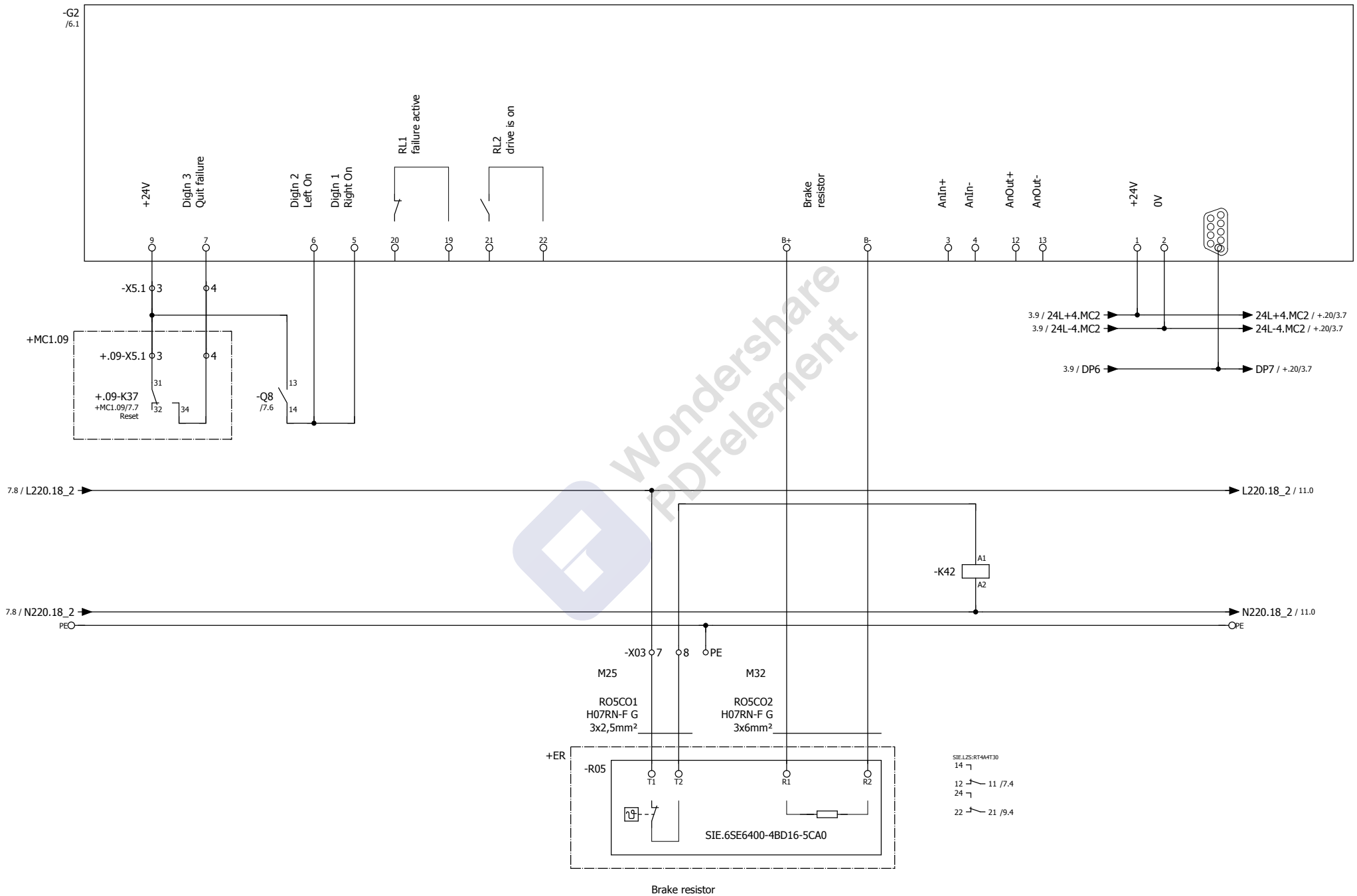
Wondershare PDFelement



Brake resistor

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Belt drives rear	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC2.16
			Appr	Dauterstedt				12344	Page 8 of 12
Modification	Date	Name	Original		Replacement of	Replaced by			089

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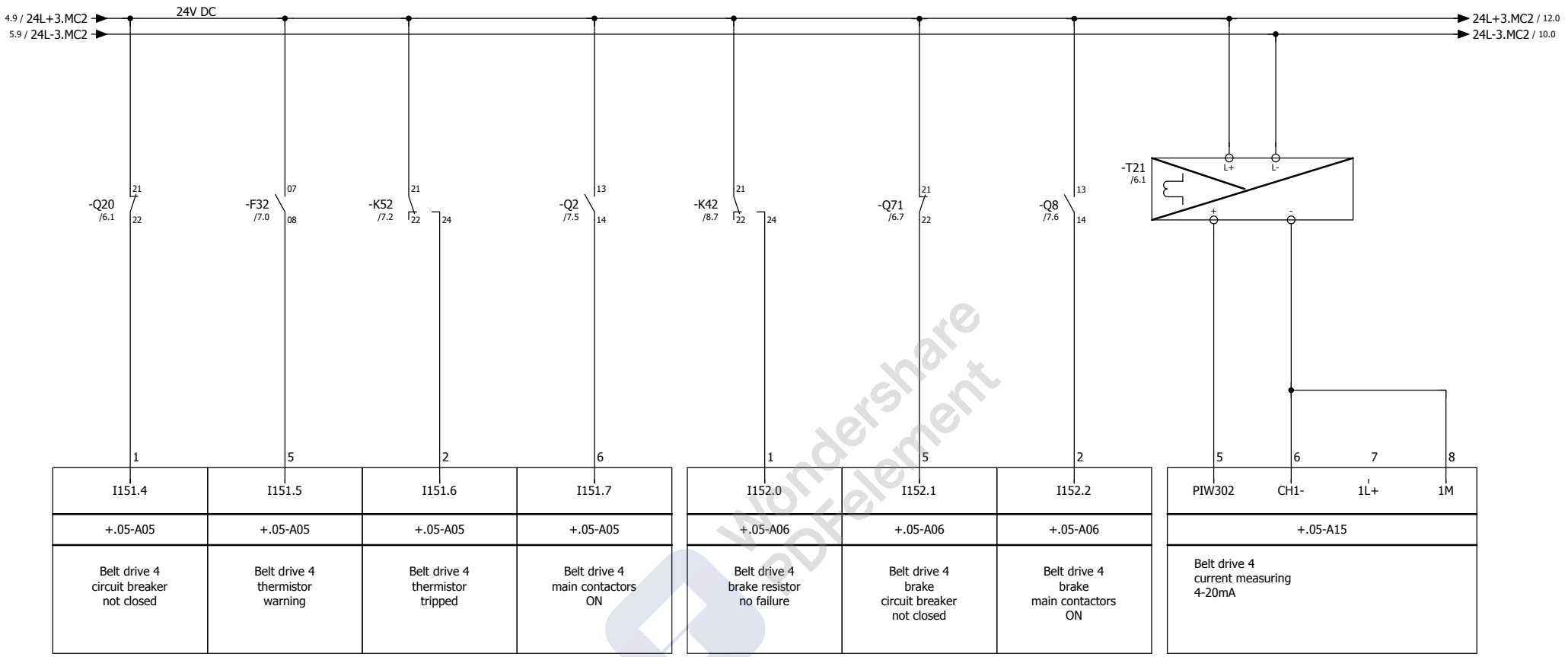

Wondershare PDFelement

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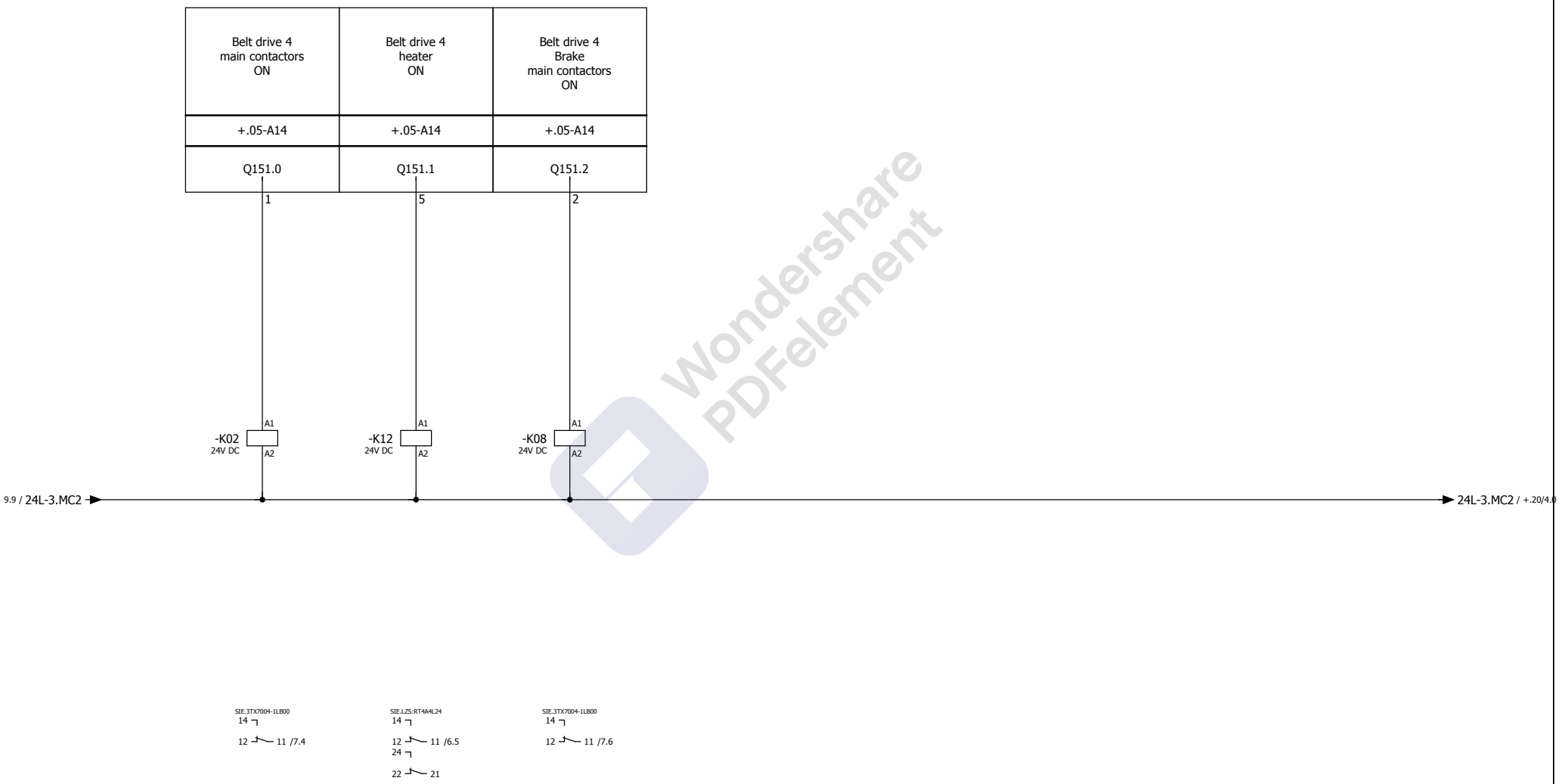
Wondershare PDFelement



Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Belt drives rear		20.226	= 521BC05
			Ed.	Schmidt					27/04/2010	+ MC2.16
			Appr	Dauterstedt					12344	Page 10 of 12
Modification	Date	Name	Original		Replacement of	Replaced by				091

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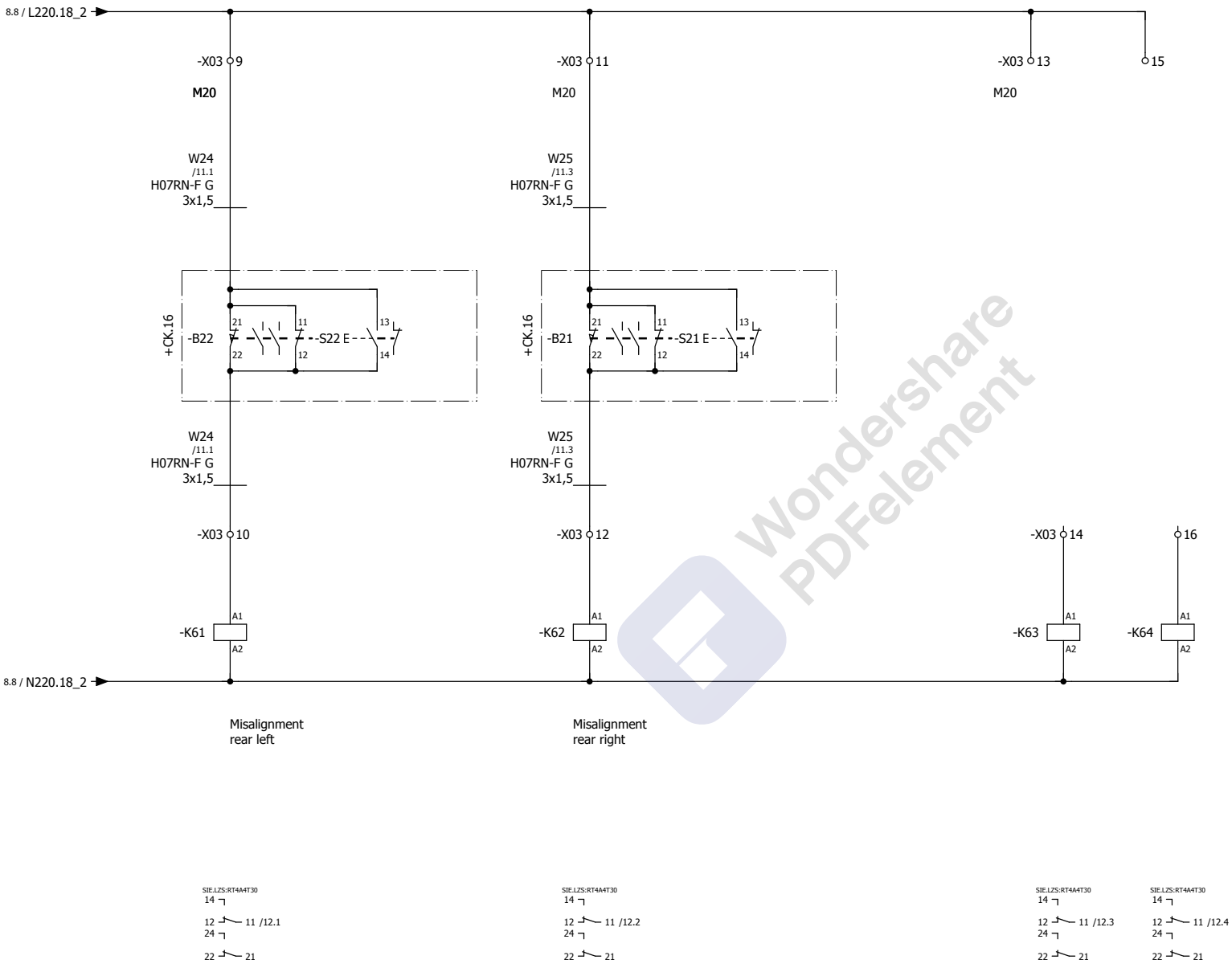

Wondershare PDFelement

10 12

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Belt drives rear	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC2.16
			Appr	Dauterstedt				12344	Page 11 of 12
Modification	Date	Name	Original		Replacement of	Replaced by			092

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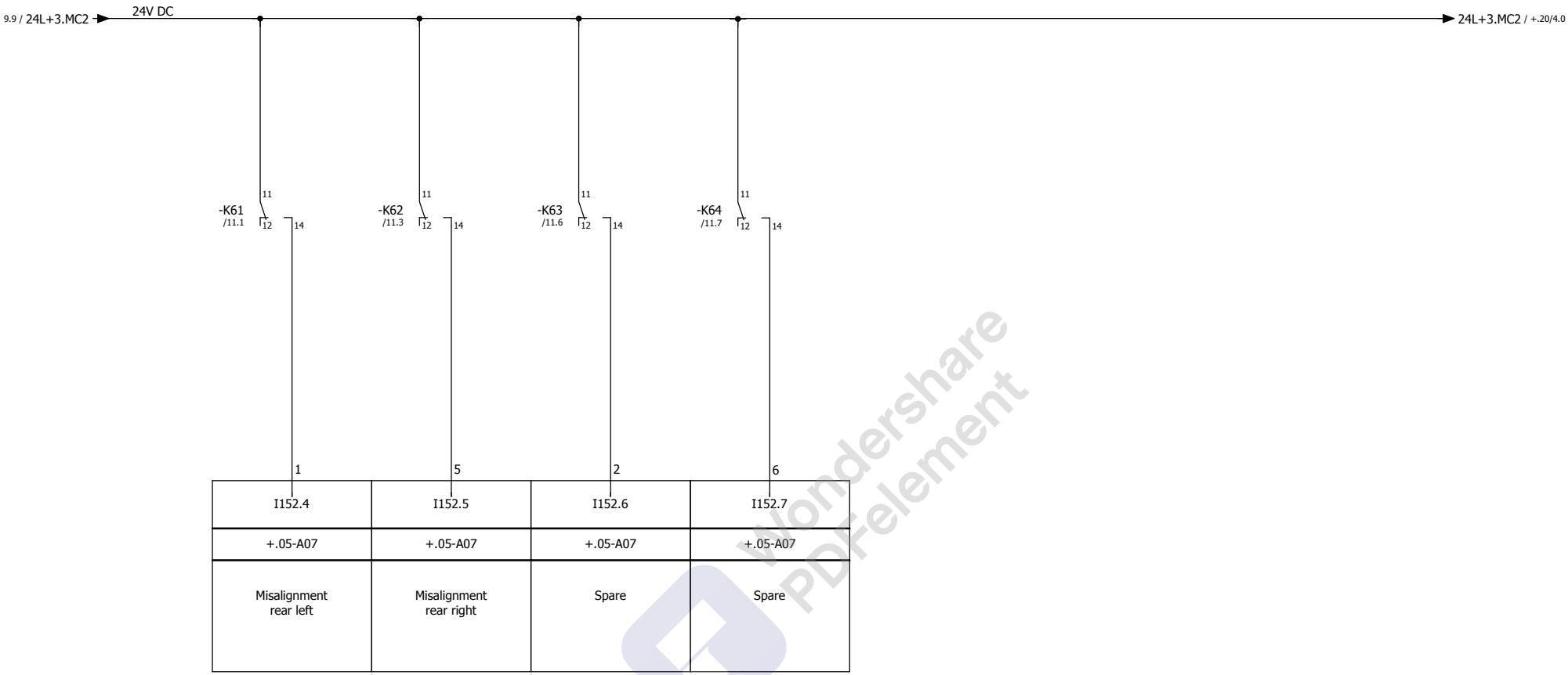

Wondershare PDFelement

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			Ed.	Schmidt				27/04/2010	+ MC2.16
			Appr	Dauterstedt				12344	Page 12 of 12
Modification	Date	Name	Original		Replacement of	Replaced by			093

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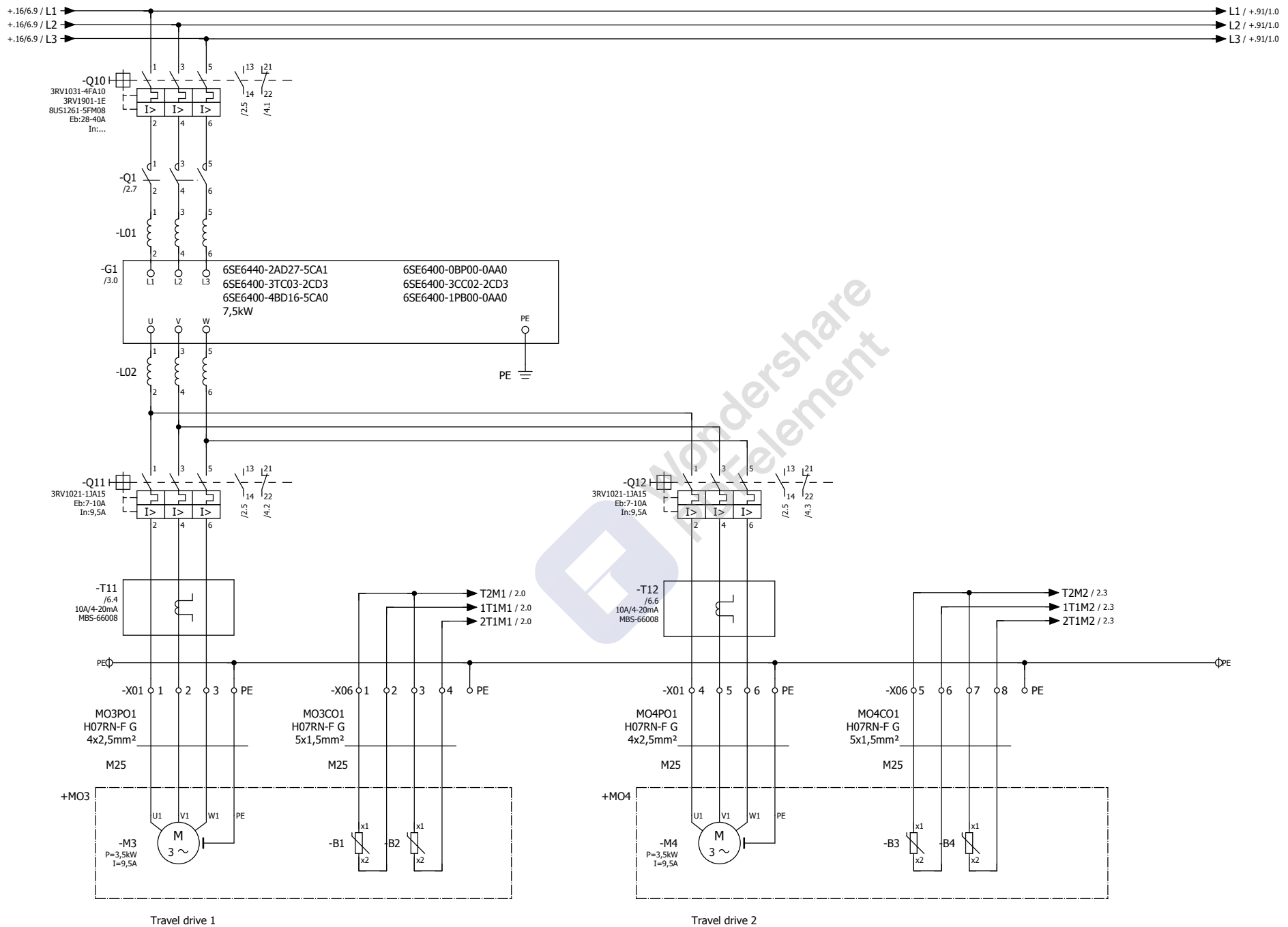

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Modification	Date	Name	Original		Replacement of	Replaced by			094

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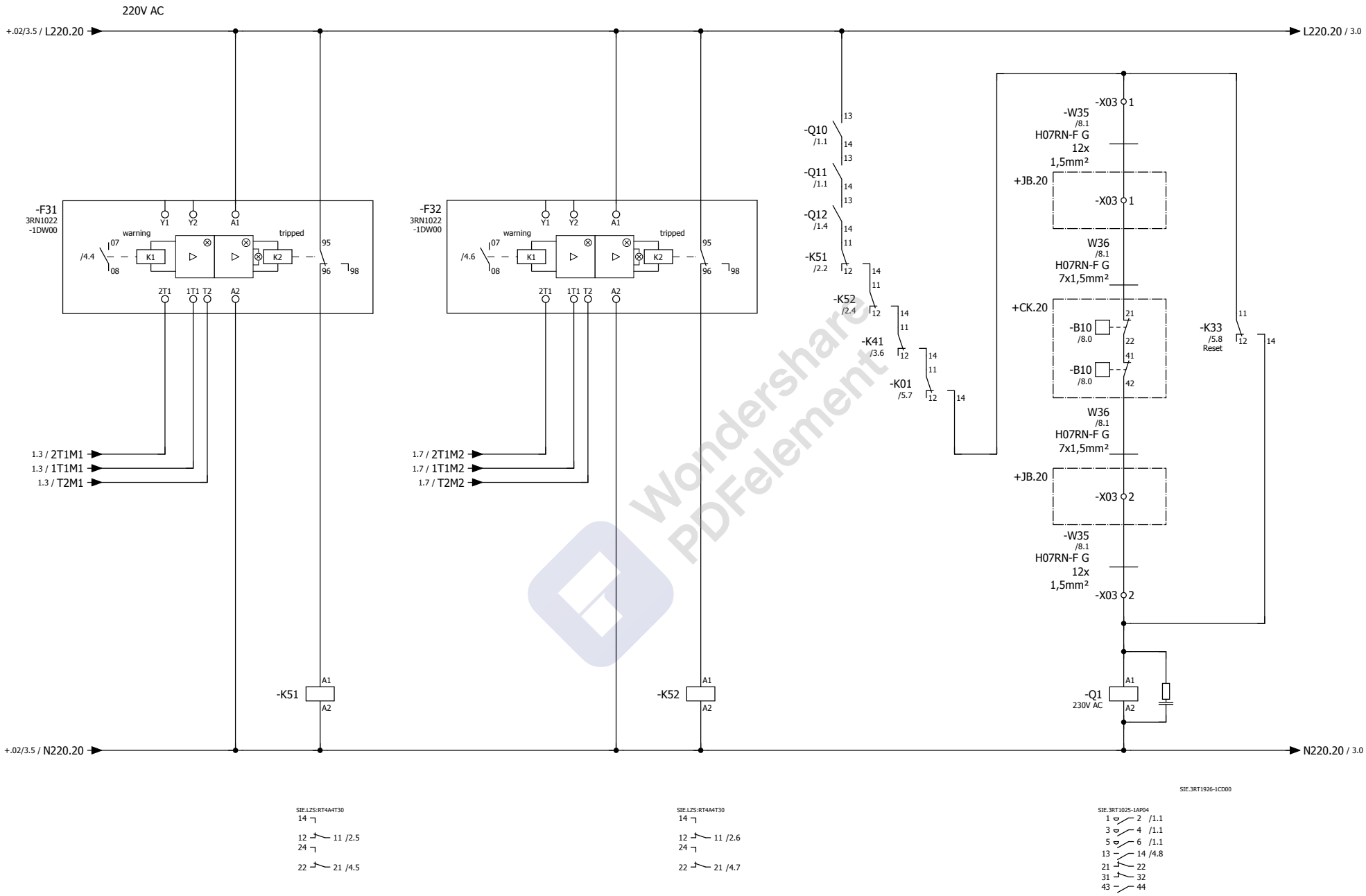

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			Ed.	Schmidt				27/04/2010	+ MC1.20
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Modification	Date	Name	Original		Replacement of	Replaced by			095

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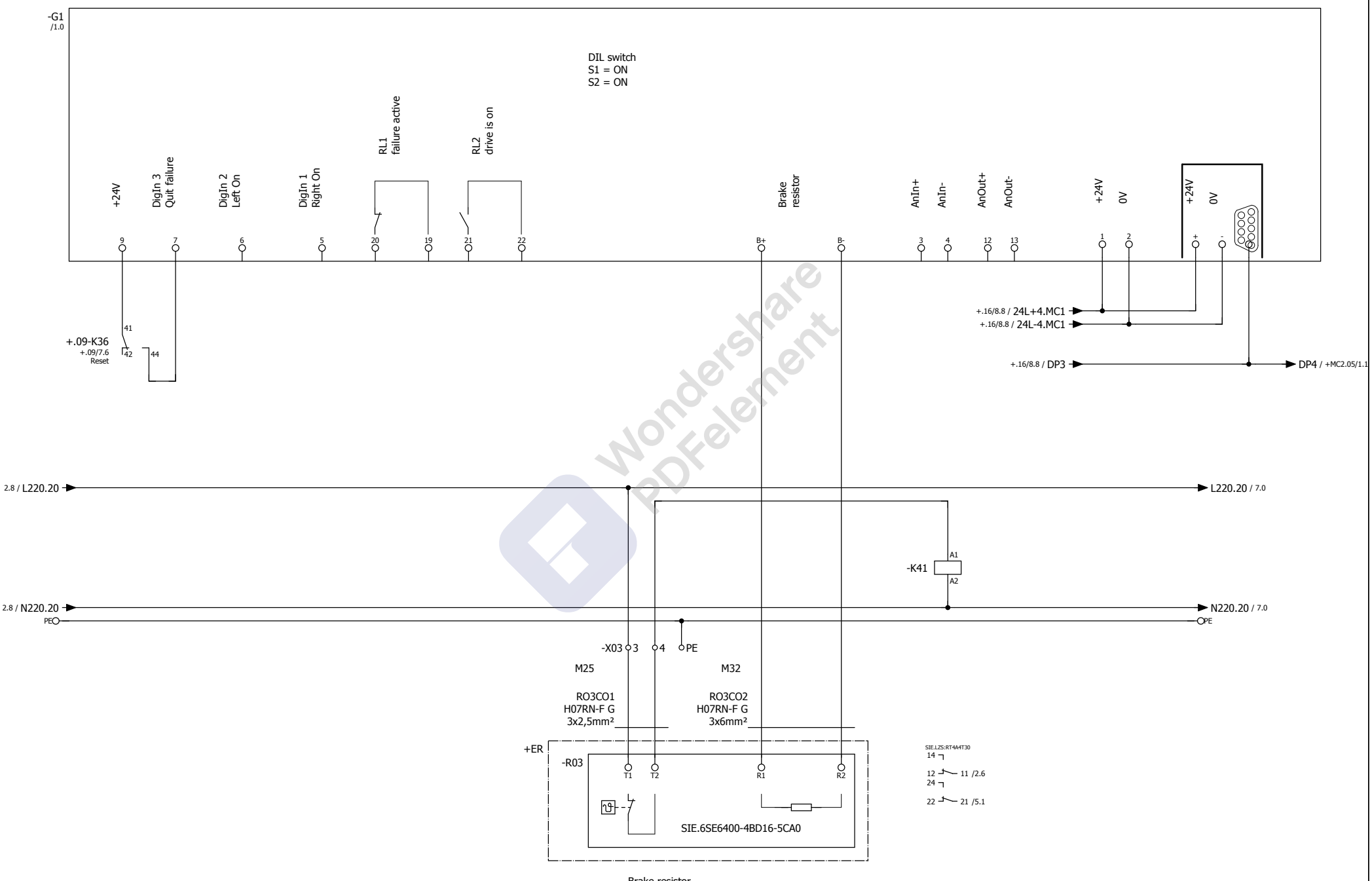

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Travel drives front	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.20
			Appr	Dauterstedt				12344	Page 3 of 10
Modification	Date	Name	Original		Replacement of	Replaced by			096

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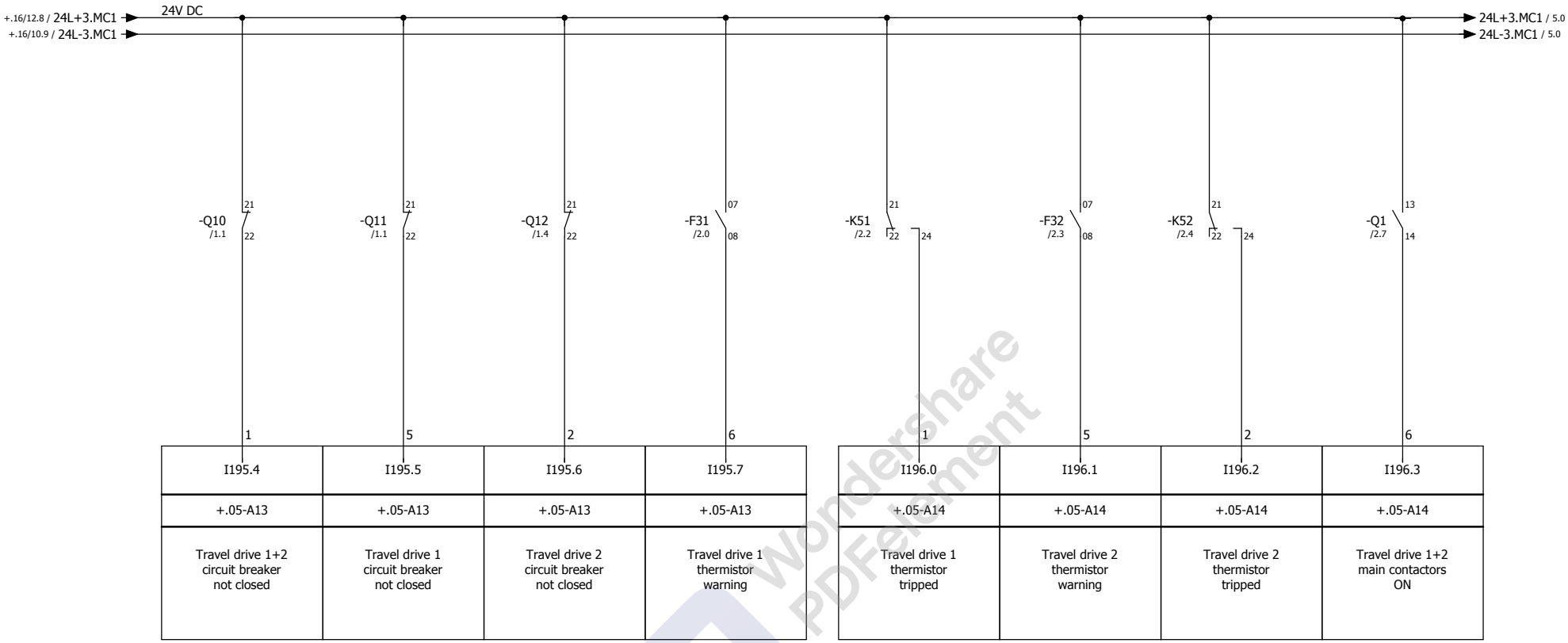

Wondershare PDFelement

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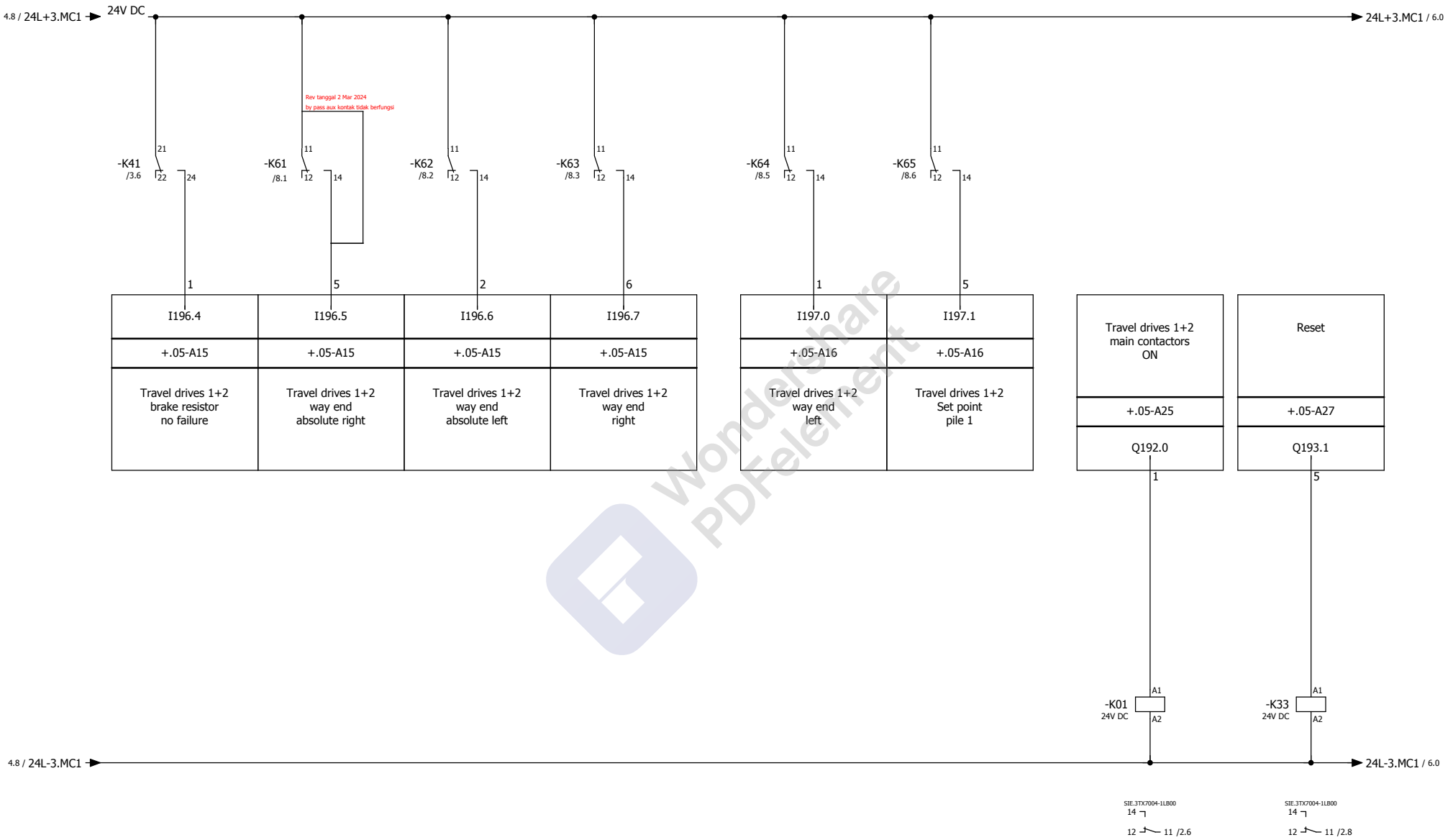

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Modification	Date	Name	Original		Replacement of	Replaced by			098

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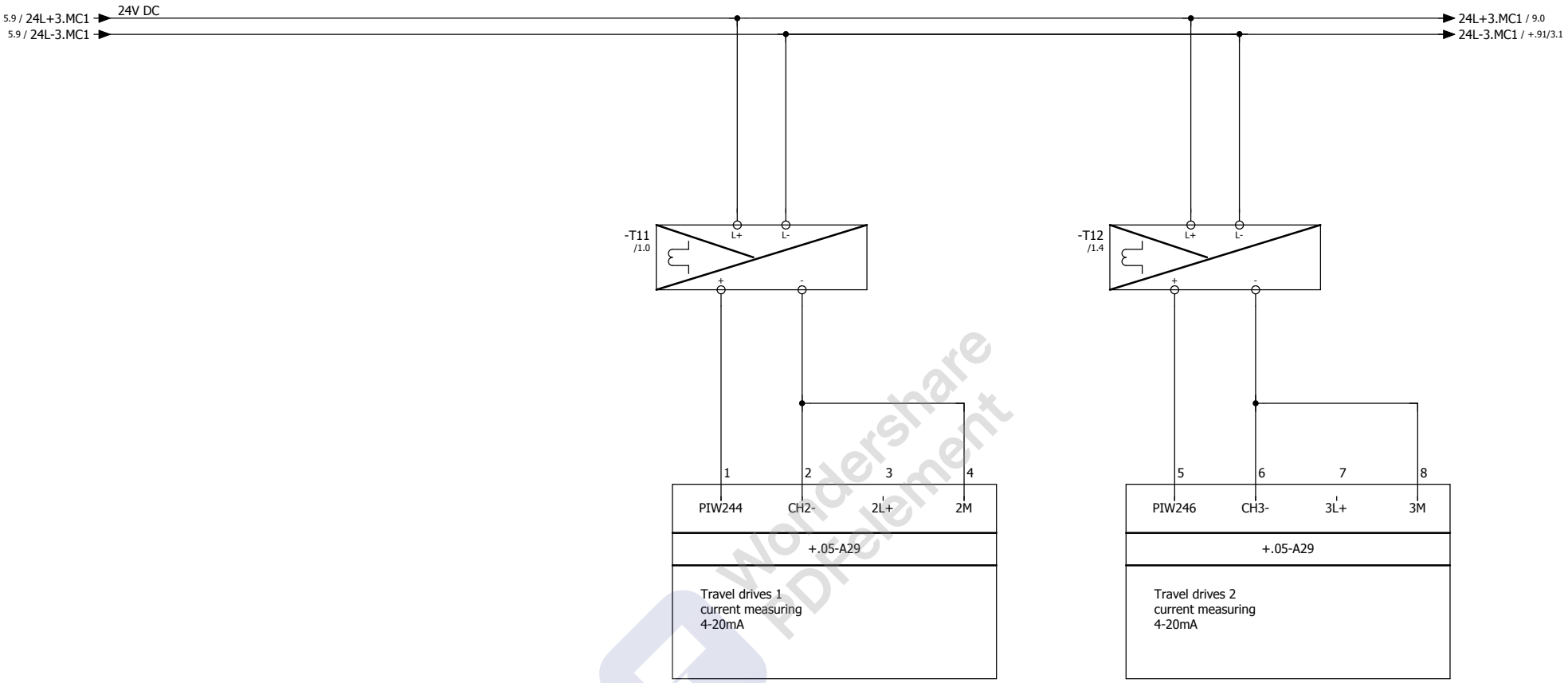

Wondershare PDFelement

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Modification	Date	Name	Original		Replacement of	Replaced by				099

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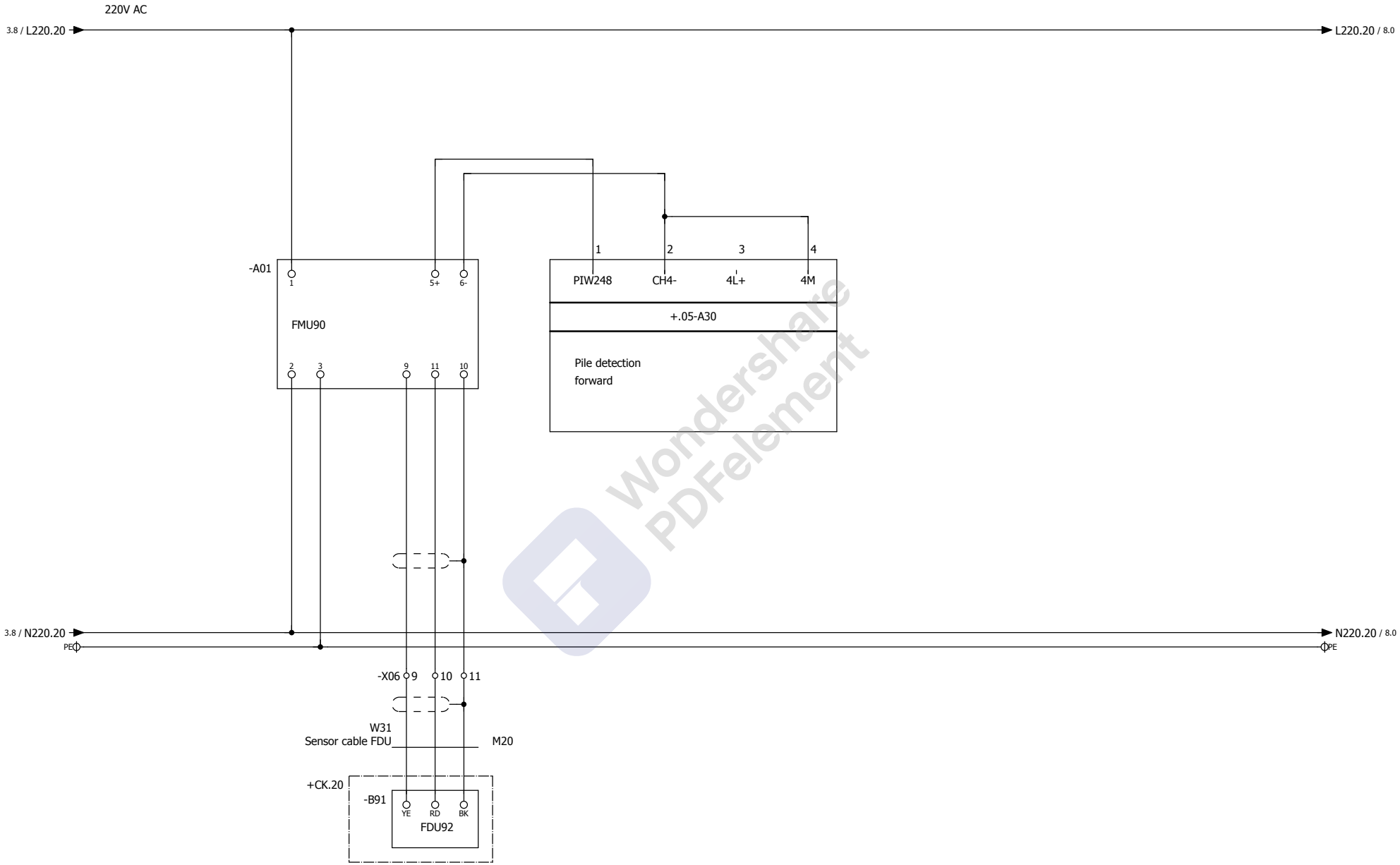

Wondershare PDFelement

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			Appr	Dauterstedt					12344	Page 7 of 10
Modification	Date	Name	Original		Replacement of	Replaced by				100

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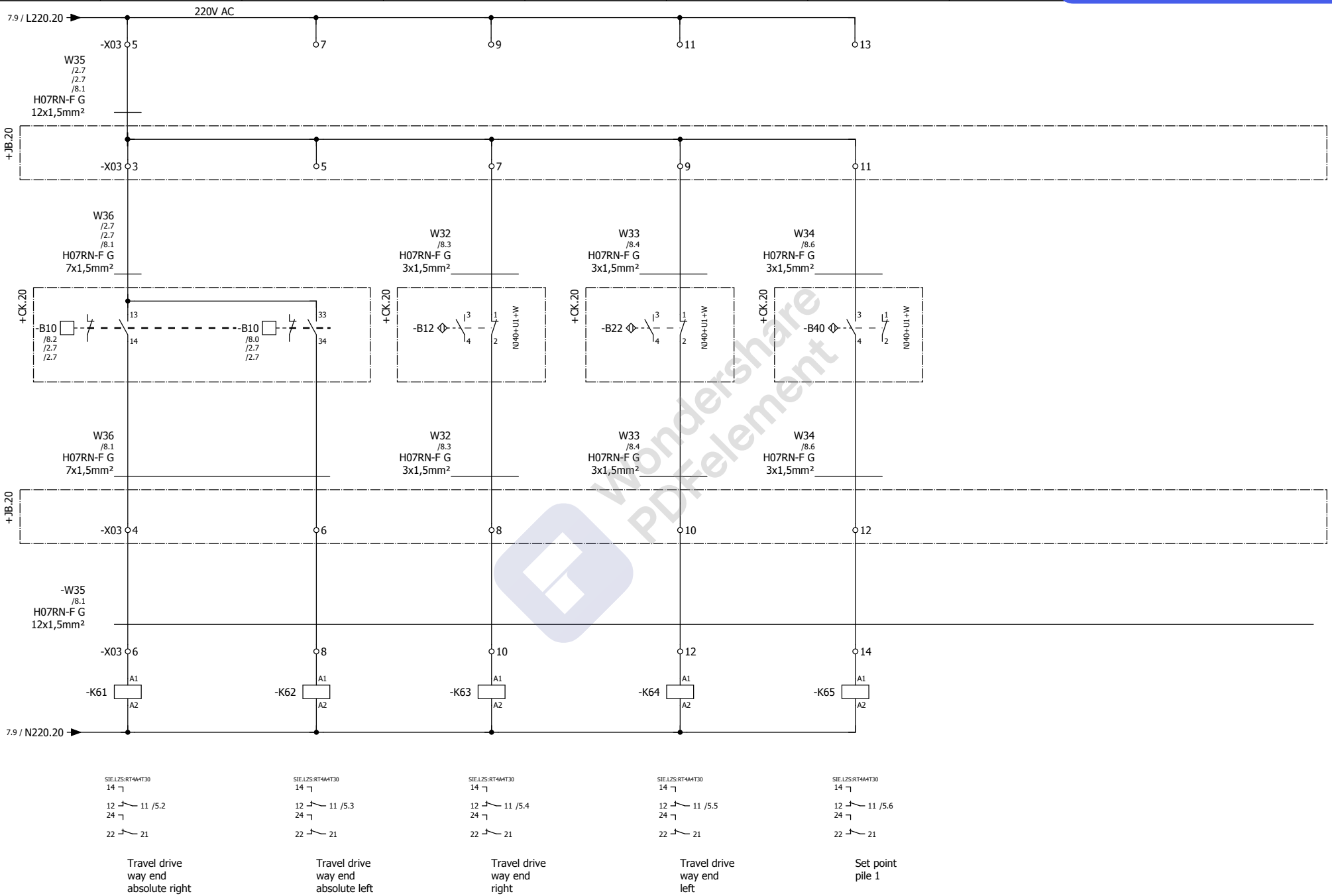

Travel drive way end absolute right

Travel drive way end absolute left

Travel drive way end right

Travel drive way end left

Set point pile 1

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Travel drives front	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.20
			Appr	Dauterstedt				12344	Page 8 of 10
Modification	Date	Name	Original		Replacement of	Replaced by			101

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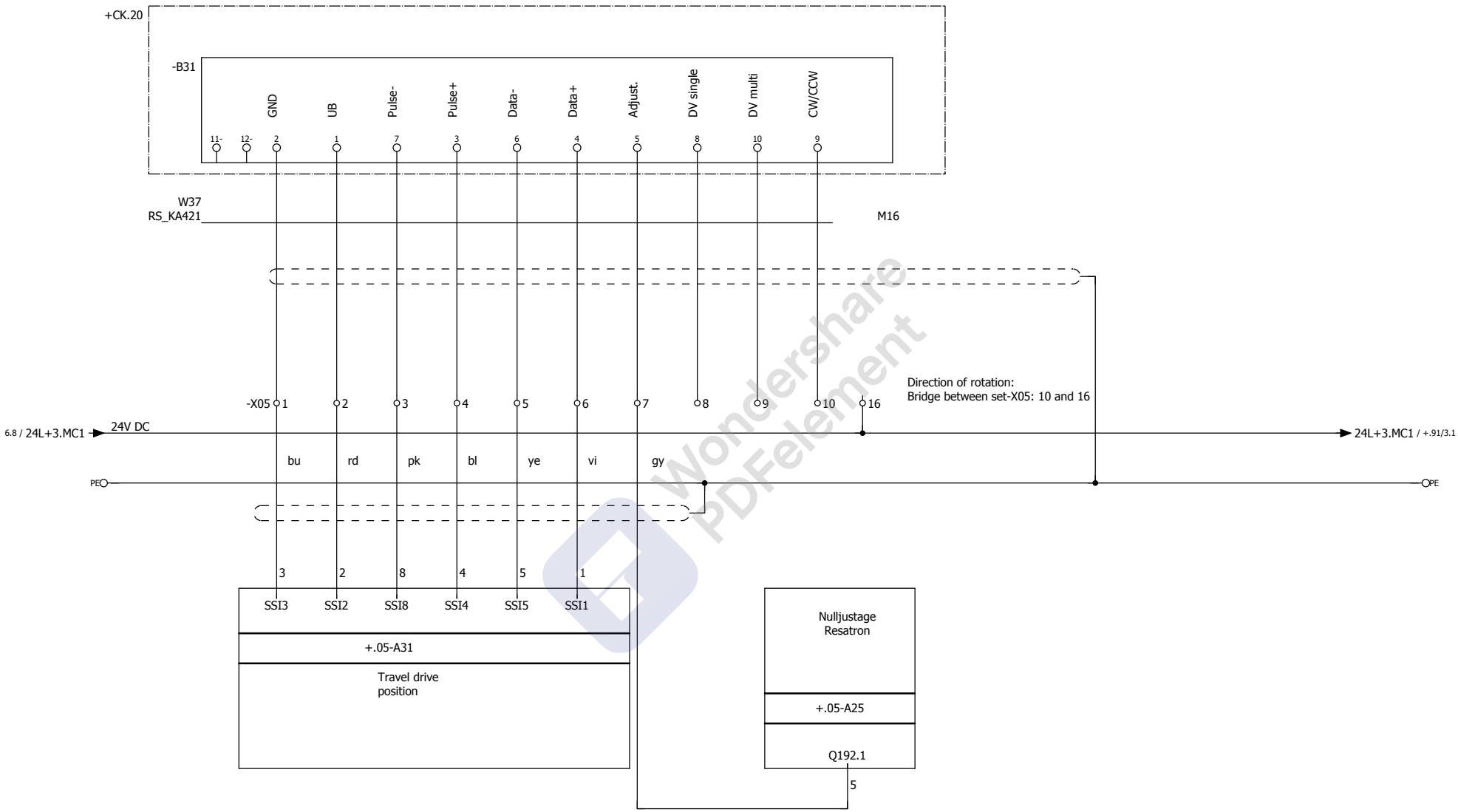

Wondershare PDFelement

8 10

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Travel drives front		20.226	= 521BC05
			Ed.	Schmidt					27/04/2010	+ MC1.20
			Appr	Dauterstedt					12344	Page 9 of 10
Modification	Date	Name	Original		Replacement of	Replaced by				102

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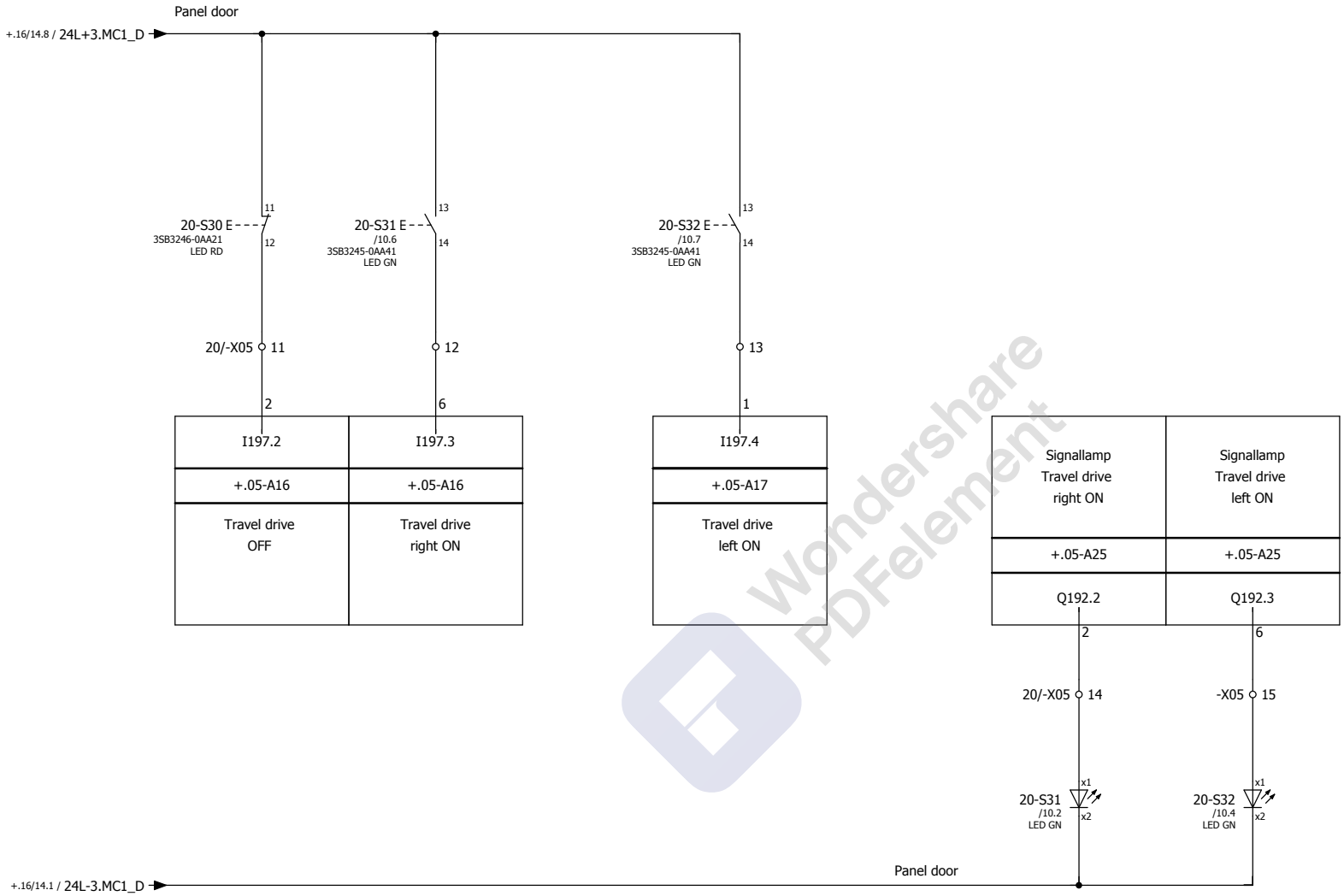

Wondershare PDFelement

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			Ed.	Schmidt				27/04/2010	+ MC1.20
			Appr	Dauterstedt				12344	Page 10 of 10
Modification	Date	Name	Original		Replacement of	Replaced by			103

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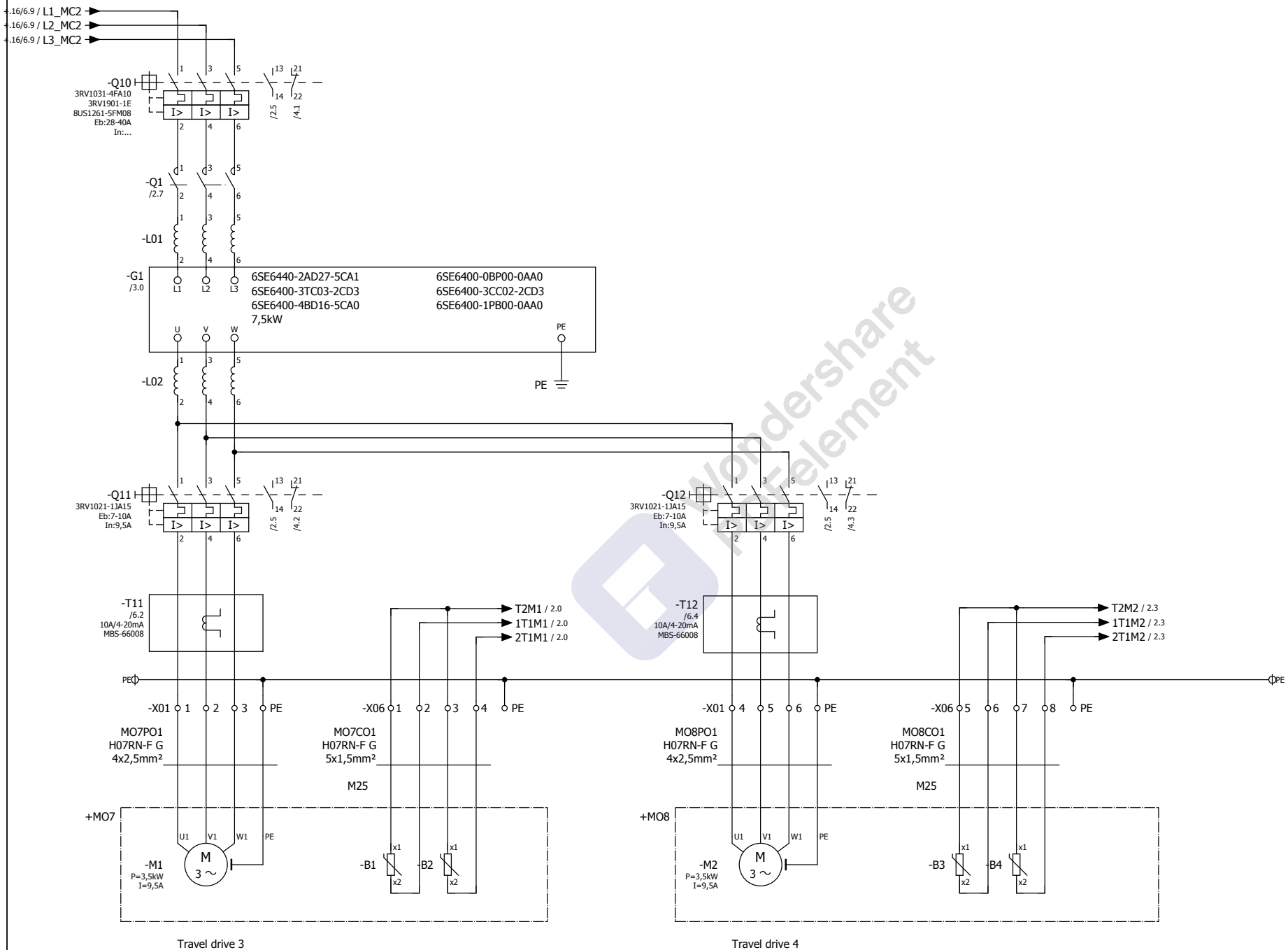

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Travel drives rear	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC2.20
			Appr	Dauterstedt				12344	Page 1 of 8
Modification	Date	Name	Original		Replacement of	Replaced by			104

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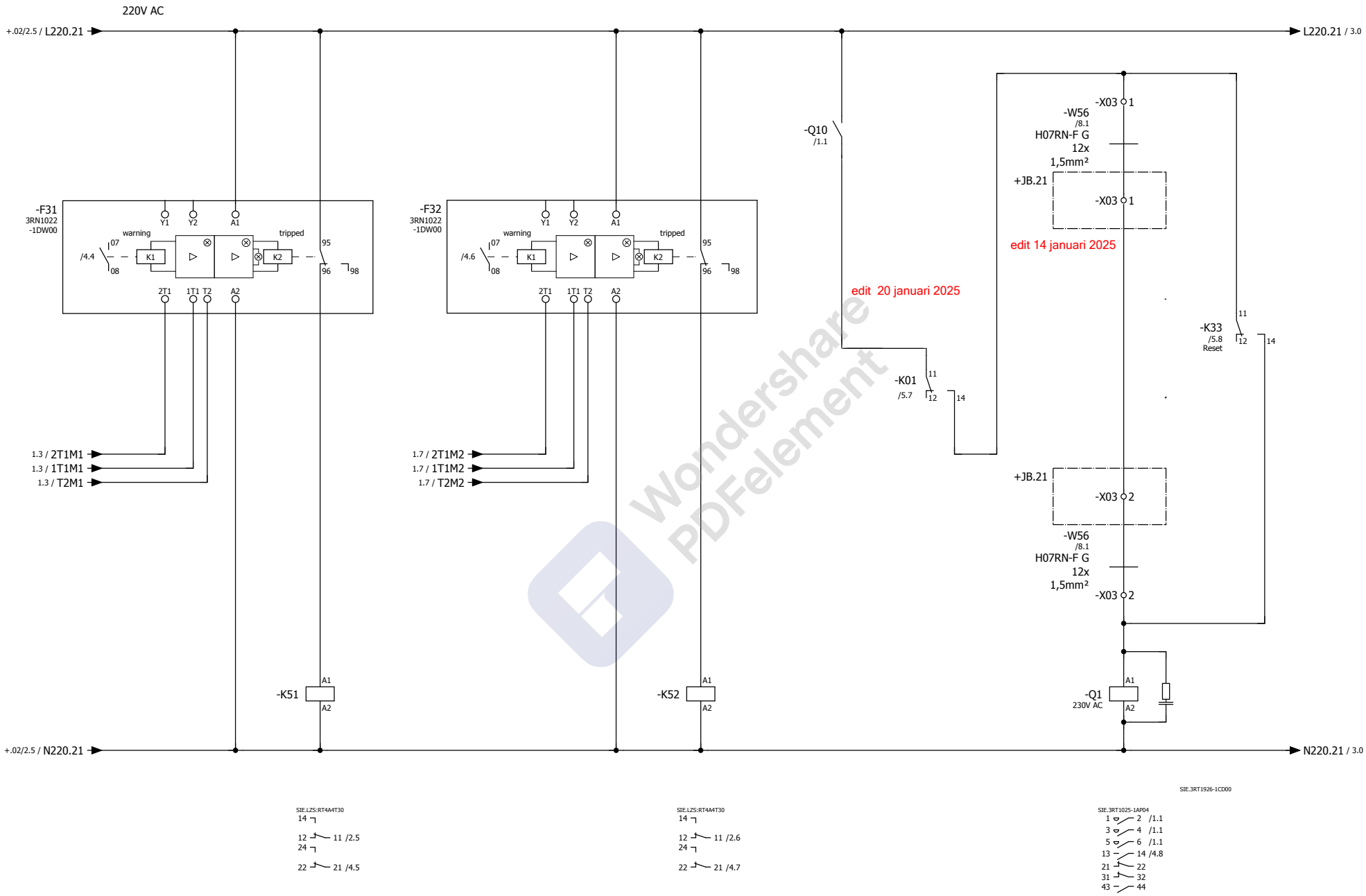

Wondershare PDFelement

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			Ed.	Schmidt				27/04/2010	+ MC2.20
			Appr	Dauterstedt				12344	Page 2 of 8
Modification	Date	Name	Original		Replacement of	Replaced by			105

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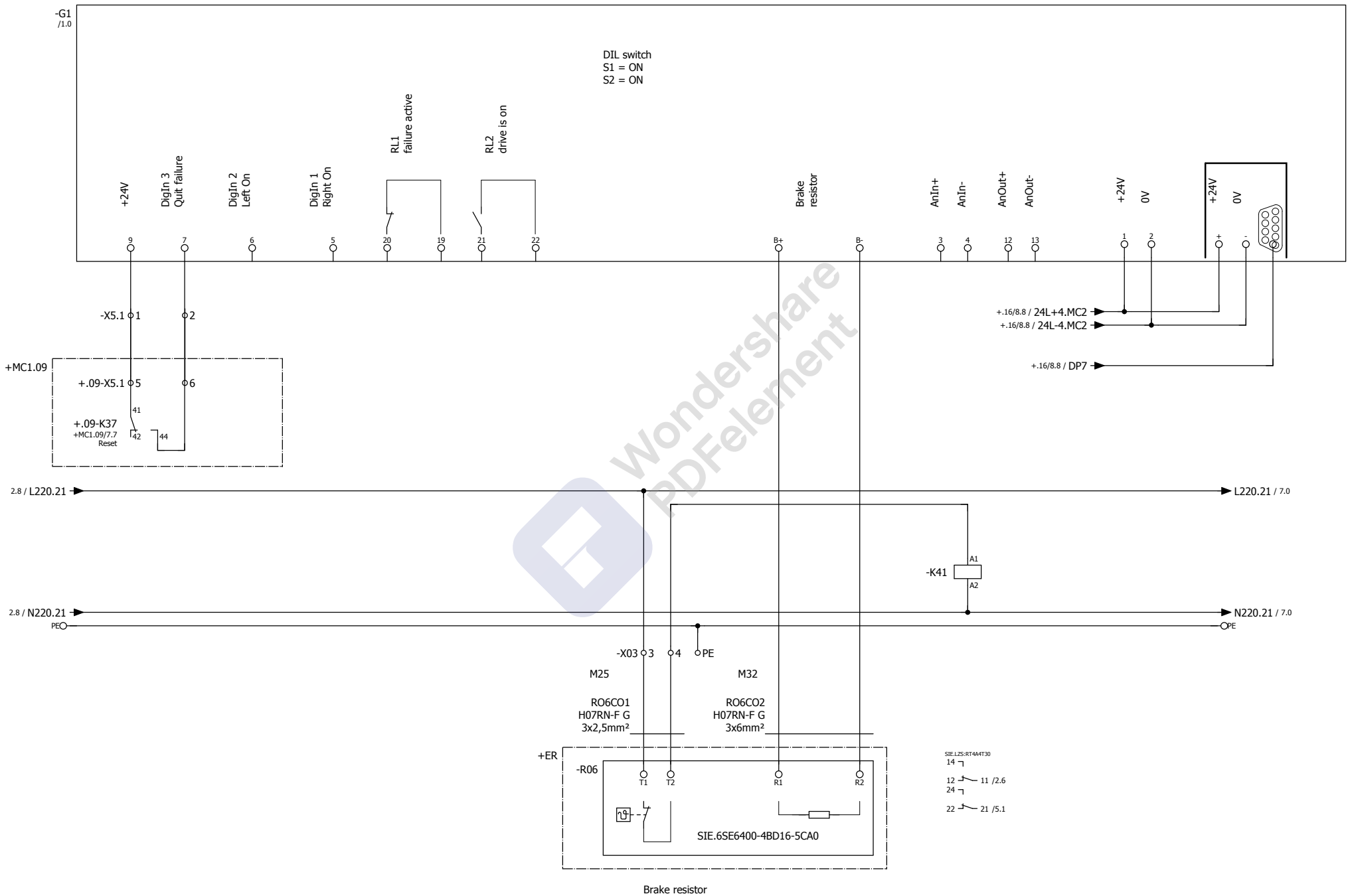

Brake resistor

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Travel drives rear	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC2.20
			Appr	Dauterstedt				12344	Page 3 of 8
Modification	Date	Name	Original		Replacement of	Replaced by			106

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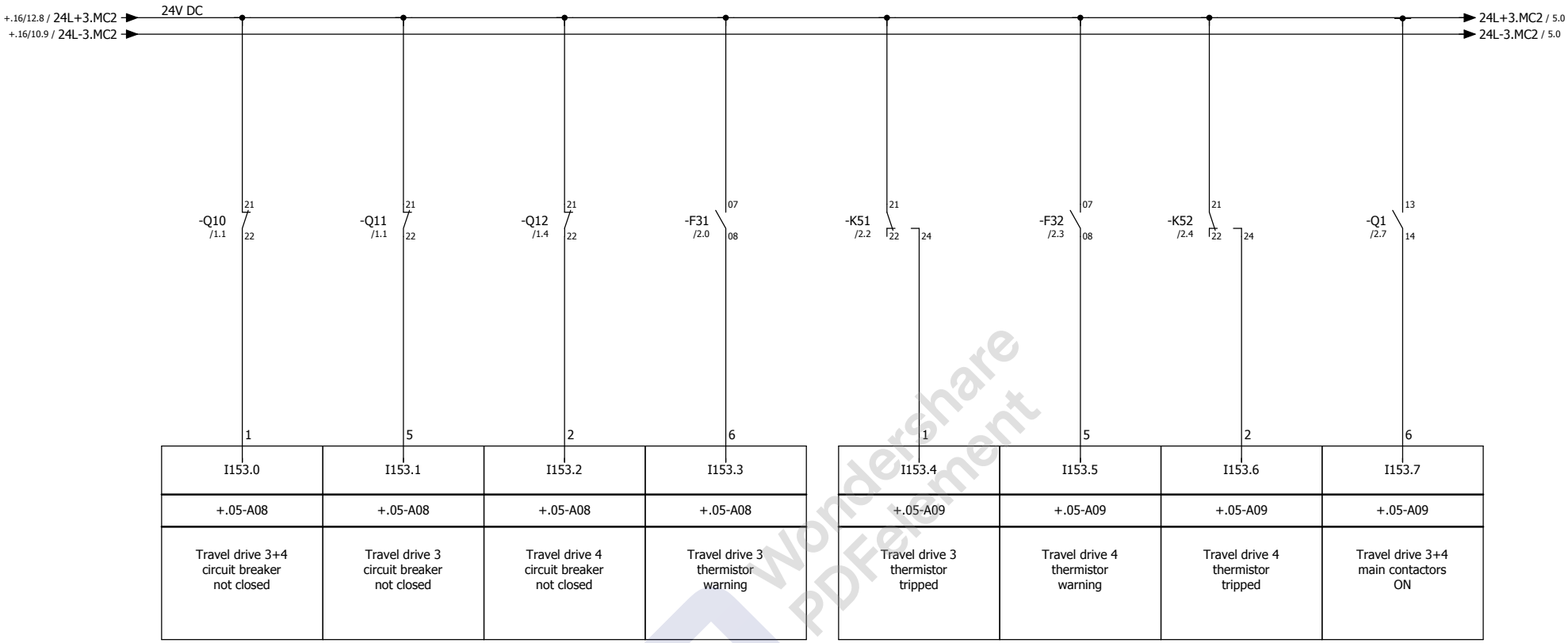
Wondershare PDFelement



Wondershare PDFelement

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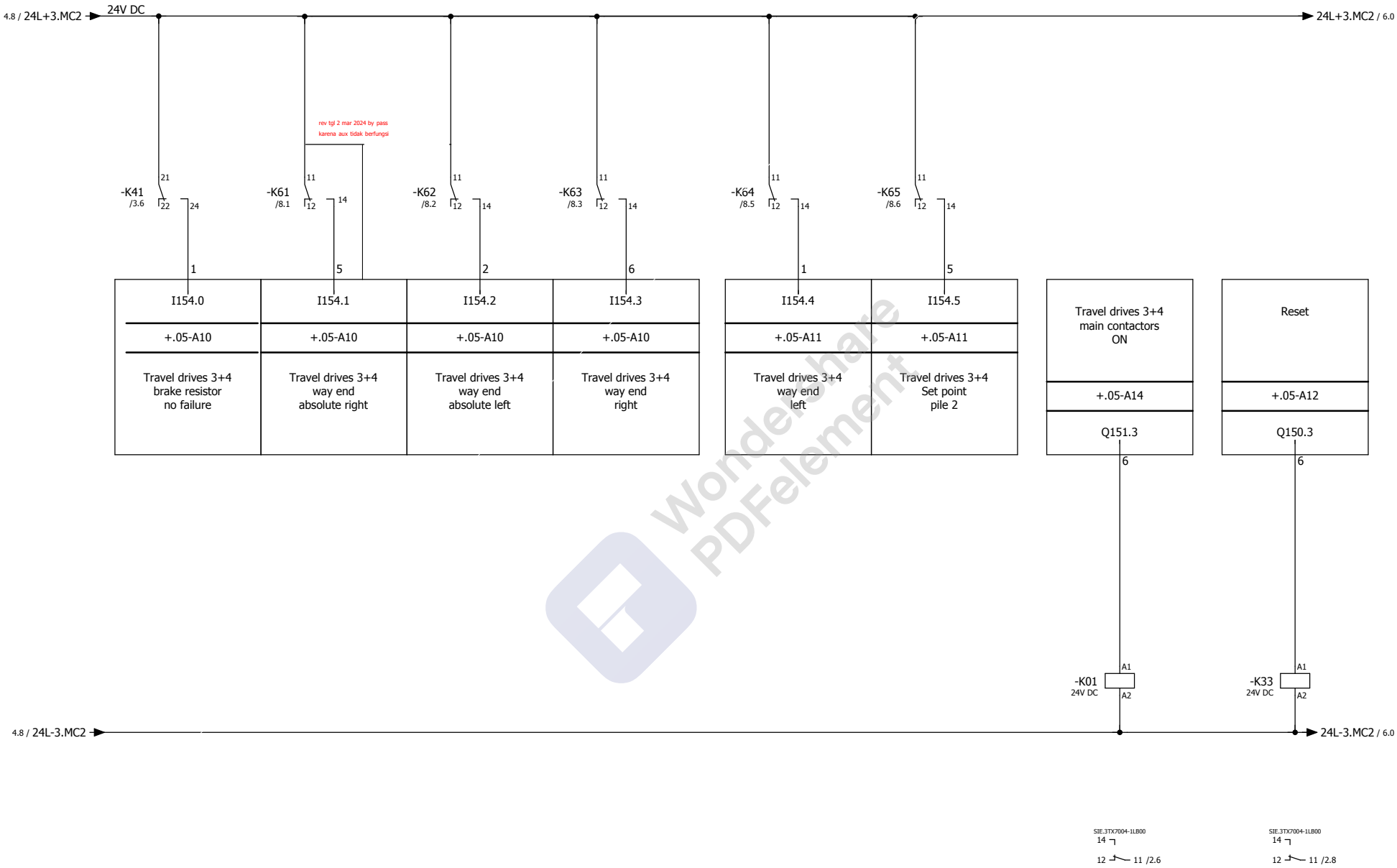
Wondershare PDFelement



Wondershare PDFelement

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			Appr	Dauterstedt				12344	Page 5 of 8
Modification	Date	Name	Original		Replacement of	Replaced by			108

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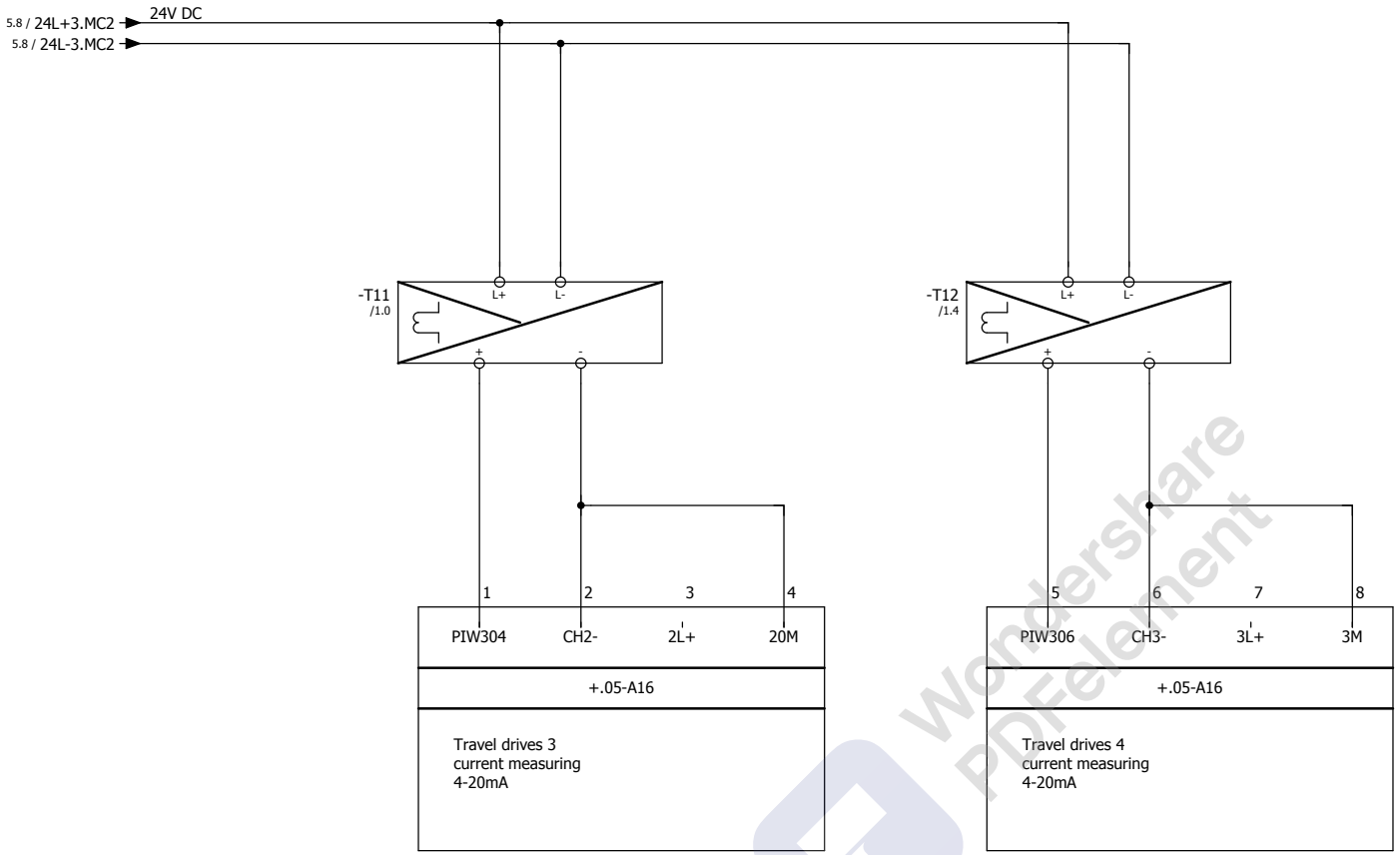

Wondershare PDFelement

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			Appr	Dauterstedt					12344	Page 6 of 8
Modification	Date	Name	Original		Replacement of	Replaced by				109

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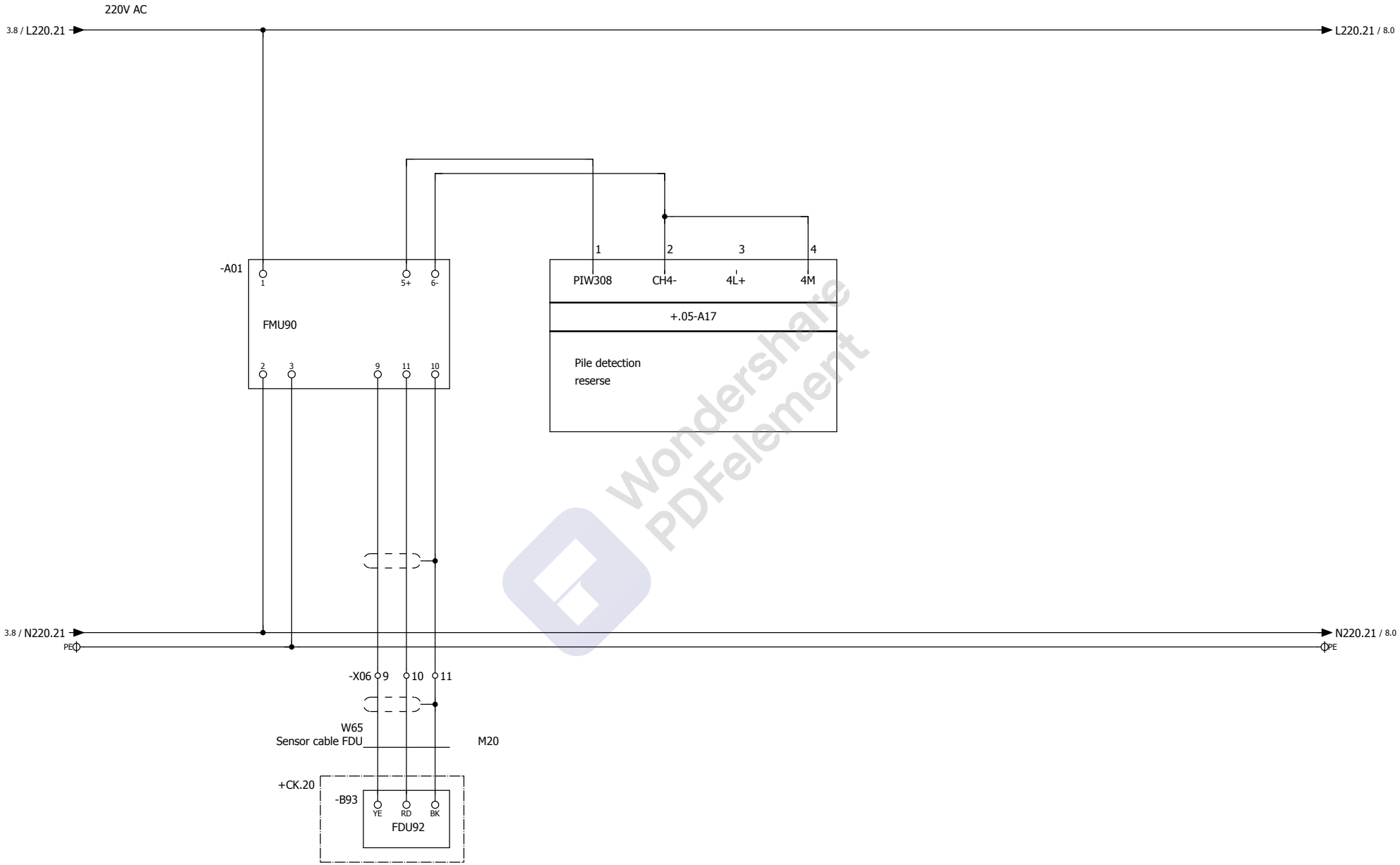

Wondershare PDFelement

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			Appr	Dauterstedt					12344	Page 7 of 8
Modification	Date	Name	Original		Replacement of	Replaced by				110

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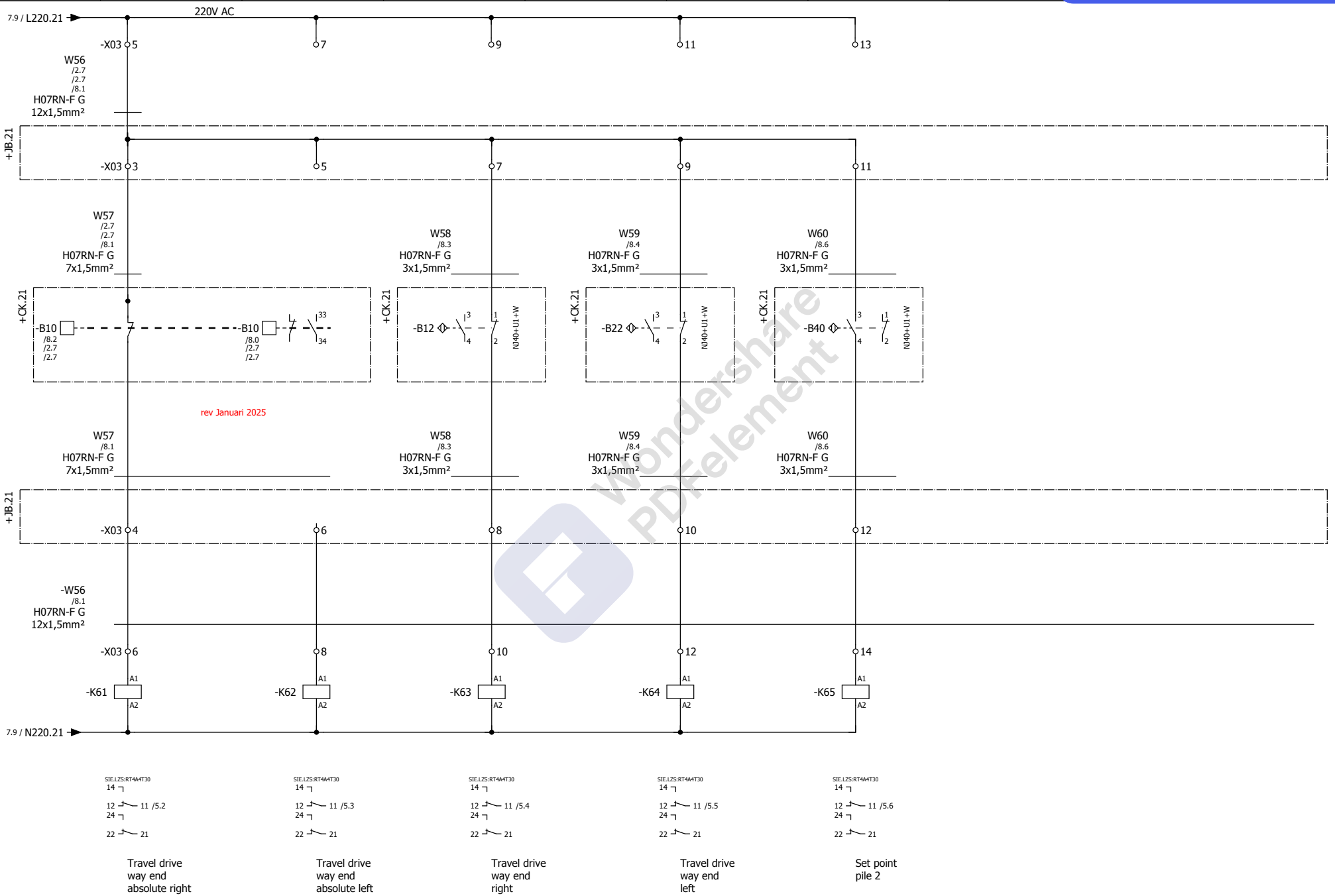

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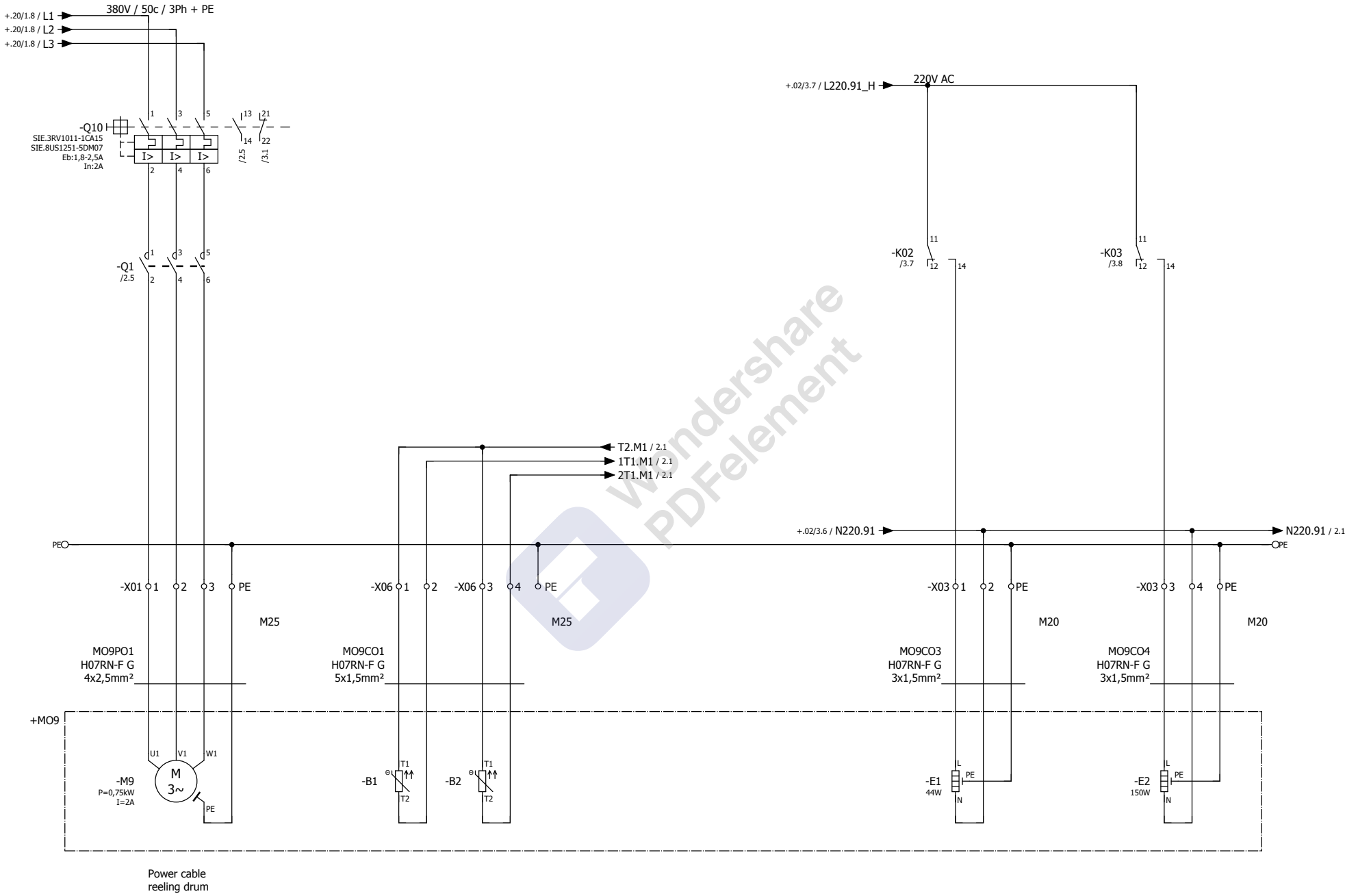
			Appr	Dauterstedt				12344	Page 8 of 8
Modification	Date	Name	Original		Replacement of	Replaced by			111

Remove Watermark
Wondershare PDFelement



Wondershare PDFelement

+MC2.20/8

2

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Power cable reeling drum	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.91
			Appr	Dauterstedt				12344	Page 1 of 5
Modification	Date	Name	Original		Replacement of	Replaced by			112

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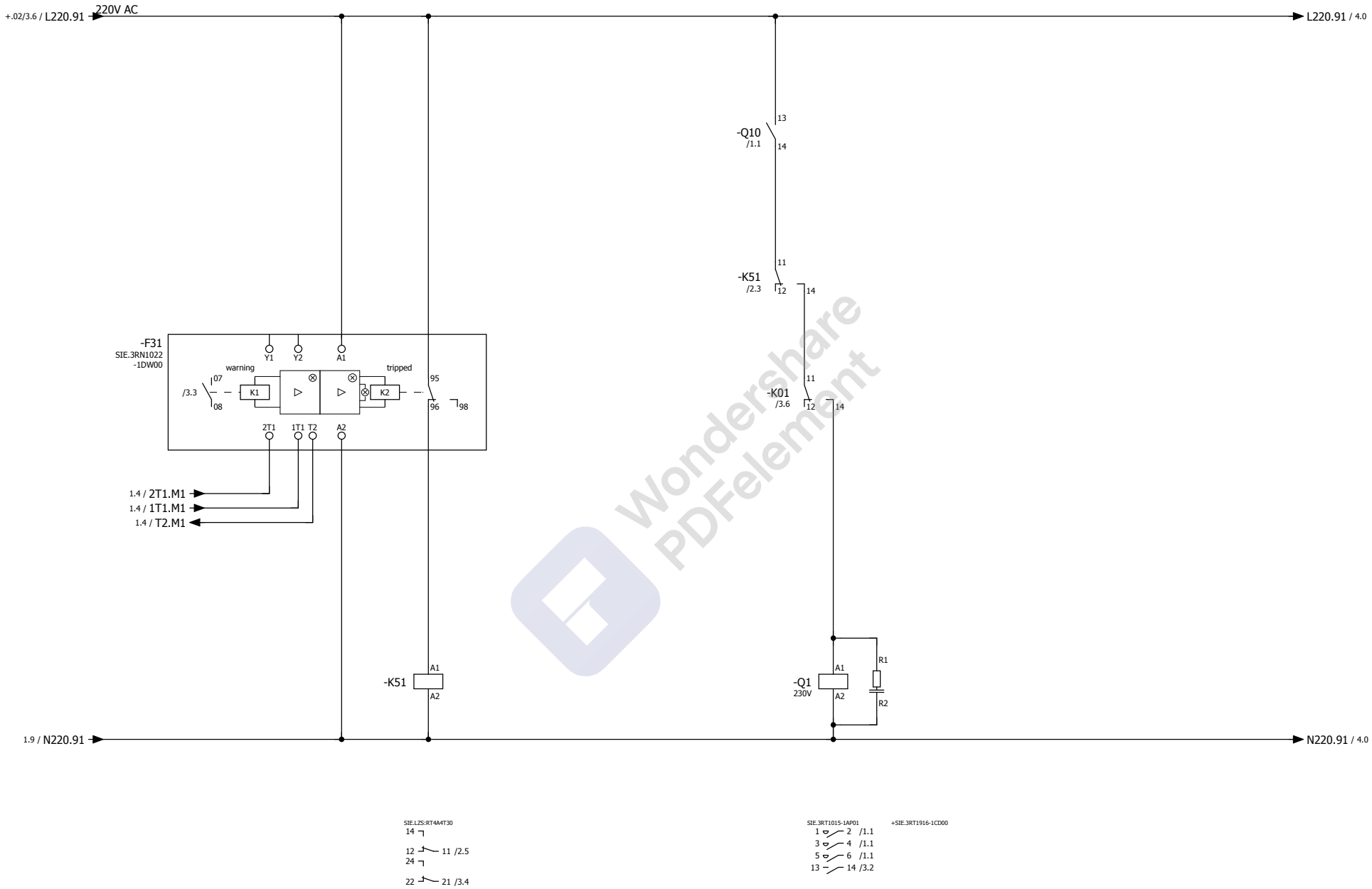

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Power cable reeling drum	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.91
			Appr	Dauterstedt				12344	Page 2 of 5
Modification	Date	Name	Original		Replacement of	Replaced by			113

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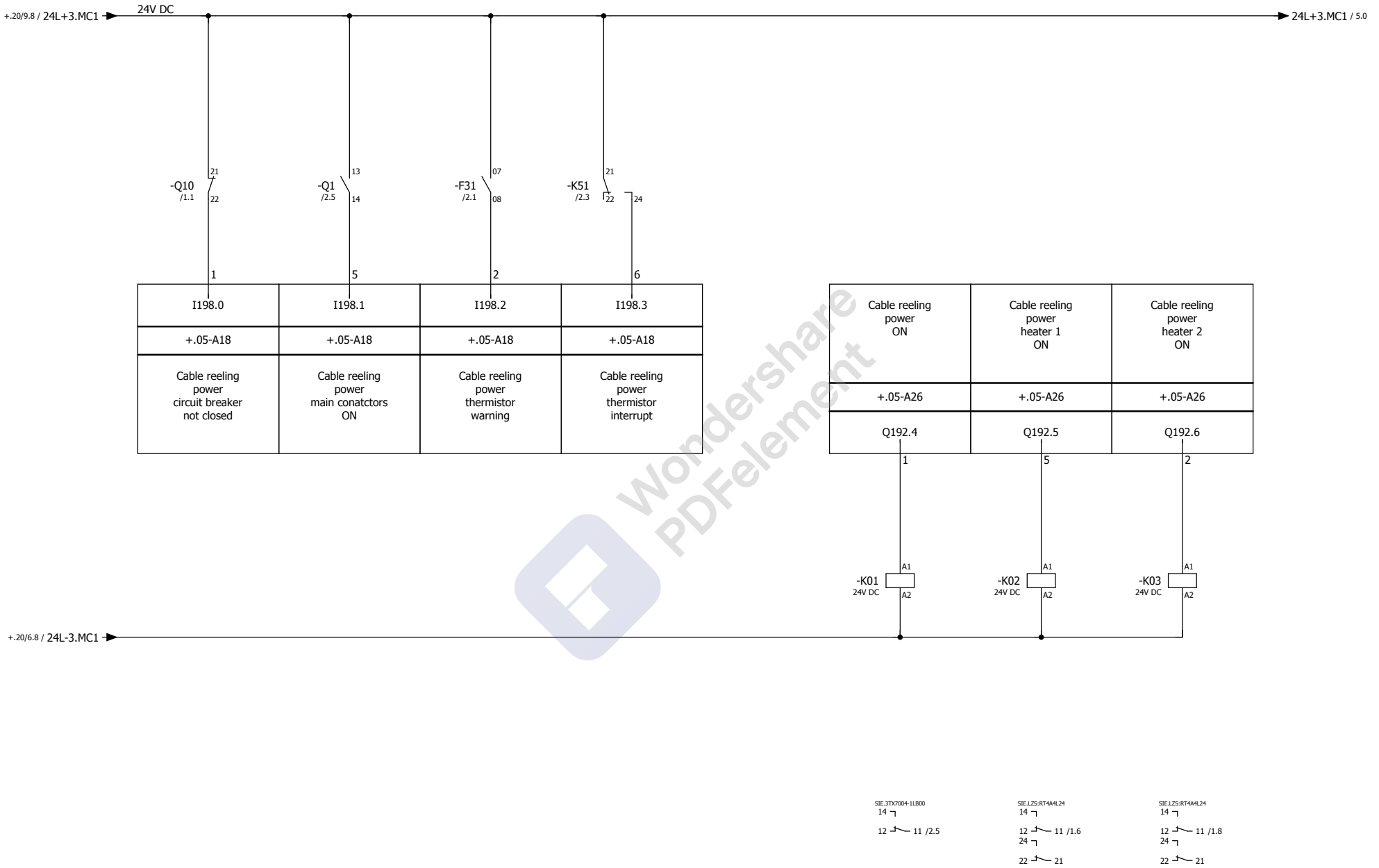
Wondershare PDFelement



Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Power cable reeling drum		20.226	= 521BC05
			Ed.	Schmidt					27/04/2010	+ MC1.91
			Appr	Dauterstedt					12344	Page 3 of 5
Modification	Date	Name	Original		Replacement of	Replaced by				114

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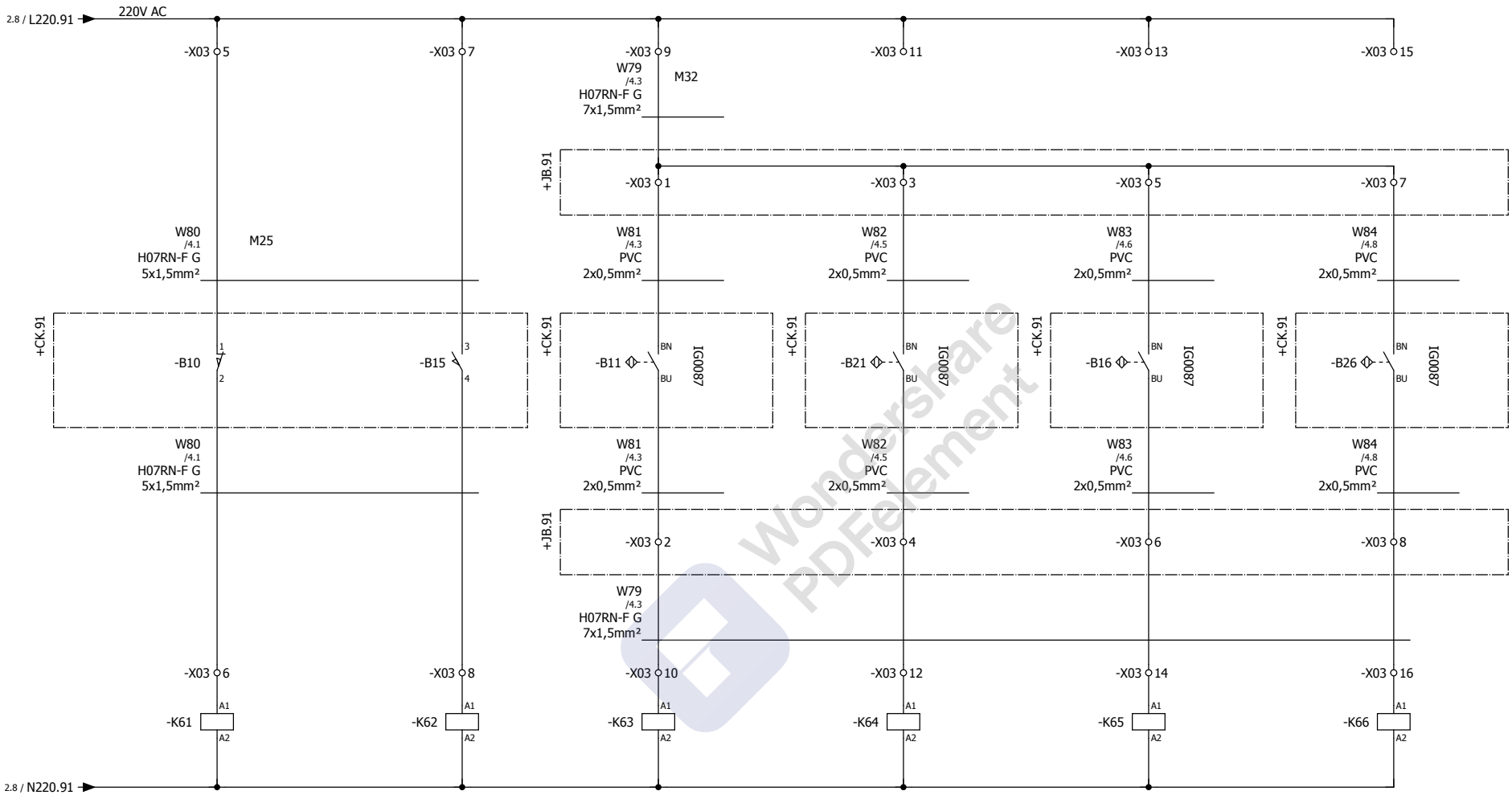
Wondershare PDFelement



Last winding power reeling	Middle pass over power reeling	Tight cable power reeling right	Tight cable power reel left	Slack cable power reel right	Slack cable power reel left
SIE.LZS:RT4A4T30	SIE.LZS:RT4A4T30	SIE.LZS:RT4A4T30	SIE.LZS:RT4A4T30	SIE.LZS:RT4A4T30	SIE.LZS:RT4A4T30
14	14	14	14	14	14
12 — 11 /5.1	12 — 11 /5.2	12 — 11 /5.3	12 — 11 /5.4	12 — 11 /5.5	12 — 11 /5.6
24	24	24	24	24	24
22 — 21	22 — 21	22 — 21	22 — 21	22 — 21	22 — 21

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Power cable reeling drum	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ MC1.91
			Appr	Dauterstedt				12344	Page 4 of 5
Modification	Date	Name	Original		Replacement of	Replaced by			115

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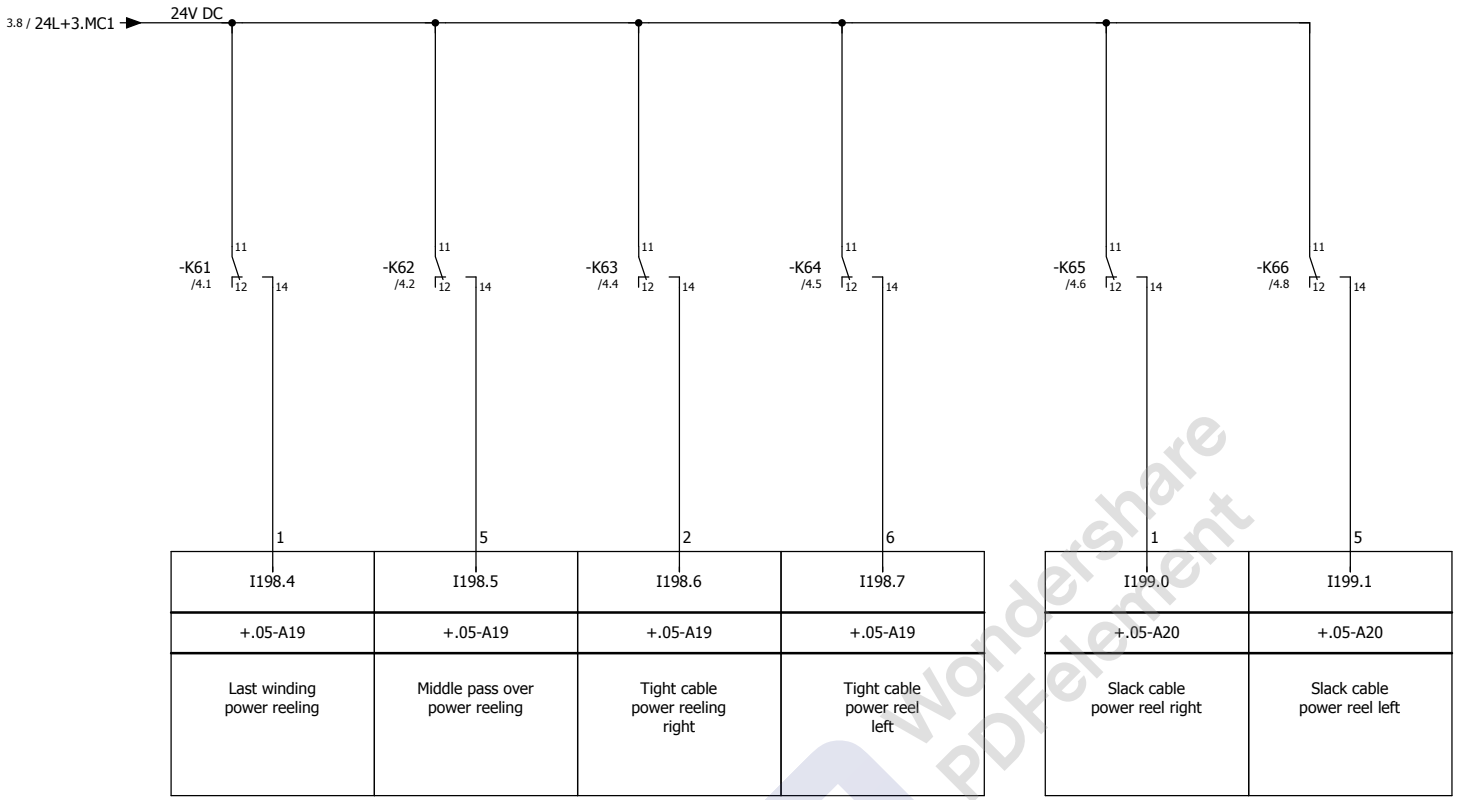

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Parts list

Schade_001

device tag	Quantity	designation	supplier	part number
+DS1-Q1	1	Disconnecting switch 250A	Siemens	SIE.3KL5530-1GB01
+DS1-Q1	1	Terminal cover	Siemens	SIE.3KX3557-3DA01
+DS1-Q1	1	Switch cover	Siemens	SIE.3KX3557-0CA02
+MC1.01-A1	1	Tripping delay	Siemens	SIE.3TX4701-0AN1
+MC1.01-K01	1	Coupling relay	Siemens	SIE.3TX7004-1LB00
+MC1.01-P1	1	Voltmeter 500V	Pötter	POT.EQ72 500V
+MC1.01-P2	1	Amperemeter 250/5A	Pötter	POT.EQ72 250/5A
+MC1.01-P3	1	Amperemeter 250/5A	Pötter	POT.EQ72 250/5A
+MC1.01-P4	1	Amperemeter 250/5A	Pötter	POT.EQ72 250/5A
+MC1.01-Q1	1	Circuit breaker 1,4-2A	Siemens	SIE.3RV1021-1BA10
+MC1.01-Q1	1	Adapter busbar 60mm, S0, S00	Siemens	SIE.8US1251-5DM07
+MC1.01-Q2	1	Circuit breker 57-75A	Siemens	SIE.3RV1041-4KA10
+MC1.01-Q2	1	Adapter busbar 40 and 60mm, for 3RV S3	Siemens	SIE.8US1111-4SM00
+MC1.01-Q3	1	Circuit breaker VL 250N	Siemens	SIE.3VL3725-1DC33-2SD1
+MC1.01-Q3	1	Terminal cover VL630, VL800	Siemens	SIE.3VL9600-8CB30
+MC1.01-Q3	1	Rotary operating mechanism VL630-800	Siemens	SIE.3VL9600-3HG05
+MC1.01-S1	1	Instr. selector sw. with 0-position	Moeller	MOE.T0-2-15920/EZ
+MC1.01-T1	1	Current transformer 250/5A	MBS AG	MBS.MBS-7054
+MC1.01-T2	1	Current transformer 250/5A	MBS AG	MBS.MBS-7054
+MC1.01-T3	1	Current transformer 250/5A	MBS AG	MBS.MBS-7054
+MC1.01-XA2	1	busbar adapter 250A	Rittal	RIT.SV 9342.270
+MC1.02-F1	1	Circuit breaker 6A/B	Siemens	SIE.5SY6106-6
+MC1.02-F1	1	Auxiliary switch	Siemens	SIE.5ST3010
+MC1.02-F2	1	Circuit breaker 6A/B	Siemens	SIE.5SY6106-6
+MC1.02-F2	1	Auxiliary switch	Siemens	SIE.5ST3010
+MC1.02-F3	1	Circuit breaker 6A/B	Siemens	SIE.5SY6106-6
+MC1.02-F3	1	Auxiliary switch	Siemens	SIE.5ST3010
+MC1.02-F4	1	Circuit breaker 6A/B	Siemens	SIE.5SY6106-6
+MC1.02-F4	1	Auxiliary switch	Siemens	SIE.5ST3010
+MC1.02-F10	1	Circuit breaker 6A/B	Siemens	SIE.5SY6106-6
+MC1.02-F10	1	Auxiliary switch	Siemens	SIE.5ST3010
+MC1.02-F11	1	Circuit breaker 2A/B	Siemens	SIE.5SY6102-6
+MC1.02-F11	1	Auxiliary switch	Siemens	SIE.5ST3010
+MC1.02-F12	1	Circuit breaker 6A/B	Siemens	SIE.5SY6106-6
+MC1.02-F12	1	Auxiliary switch	Siemens	SIE.5ST3010
+MC1.02-F13	1	Circuit breaker 2A/B	Siemens	SIE.5SY6102-6
+MC1.02-F13	1	Auxiliary switch	Siemens	SIE.5ST3010
+MC1.02-F14	1	Circuit breaker 6A/B	Siemens	SIE.5SY6106-6
+MC1.02-F14	1	Auxiliary switch	Siemens	SIE.5ST3010
+MC1.02-F15	1	Circuit breaker 6A/B	Siemens	SIE.5SY6106-6
+MC1.02-F15	1	Auxiliary switch	Siemens	SIE.5ST3010
+MC1.02-F16	1	Circuit breaker 2A/B	Siemens	SIE.5SY6102-6
+MC1.02-F16	1	Auxiliary switch	Siemens	SIE.5ST3010
+MC1.02-F20	1	Circuit breaker 20A/B	Siemens	SIE.5SY6220-6
+MC1.02-F20	1	Auxiliary switch	Siemens	SIE.5ST3010
+MC1.02-F21	1	Circuit breaker 6A/B	Siemens	SIE.5SY6106-6
+MC1.02-F22	1	Circuit breaker 6A/B	Siemens	SIE.5SY6106-6
+MC1.02-F22	1	Auxiliary switch	Siemens	SIE.5ST3010
+MC1.02-F23	1	Circuit breaker 6A/C	Siemens	SIE.5SY6106-7
+MC1.02-F23	1	Auxiliary switch	Siemens	SIE.5ST3010
+MC1.02-F24	1	Circuit breaker 2A/C	Siemens	SIE.5SY6102-7
+MC1.02-F24	1	Auxiliary switch	Siemens	SIE.5ST3010
+MC1.02-F25	1	Circuit breaker 6A/C	Siemens	SIE.5SY6106-7
+MC1.02-F25	1	Auxiliary switch	Siemens	SIE.5ST3010
+MC1.02-K01	1	Contactors AC3:5,5KW/400V 1S DC24V	Siemens	SIE.3RT1017-1BB41
+MC1.02-Q1	1	LEISTUNGSSCHALTER SCHRAUB 6,3A	Siemens	SIE.3RV1421-1GA10

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device tag	Quantity	designation	supplier	part number
+MC1.02-Q1	1	Auxiliary switch	Siemens	SIE.3RV1901-1E
+MC1.02-Q1	1	Adapter busbar 60mm, S0, S00	Siemens	SIE.8US1251-5DM07
+MC1.02-Q2	1	Circuit breaker 7-10A	Siemens	SIE.3RV1021-1JA15
+MC1.02-Q3	1	LEISTUNGSSCHALTER SCHRAUB 4A	Siemens	SIE.3RV1021-1EA10
+MC1.02-Q3	1	Adapter busbar 60mm, S0, S00	Siemens	SIE.8US1251-5DM07
+MC1.02-XA2	1	busbar adapter 125A	Rittal	RIT.SV 9342.240
+MC2.02-F10	1	Circuit breaker 6A/B	Siemens	SIE.5SY6106-6
+MC2.02-F10	1	Auxiliary switch	Siemens	SIE.5ST3010
+MC2.02-F11	1	Circuit breaker 2A/B	Siemens	SIE.5SY6102-6
+MC2.02-F11	1	Auxiliary switch	Siemens	SIE.5ST3010
+MC2.02-F12	1	Circuit breaker 6A/B	Siemens	SIE.5SY6106-6
+MC2.02-F12	1	Auxiliary switch	Siemens	SIE.5ST3010
+MC2.02-F13	1	Circuit breaker 2A/B	Siemens	SIE.5SY6102-6
+MC2.02-F13	1	Auxiliary switch	Siemens	SIE.5ST3010
+MC2.02-F14	1	Circuit breaker 6A/B	Siemens	SIE.5SY6106-6
+MC2.02-F14	1	Auxiliary switch	Siemens	SIE.5ST3010
+MC2.02-F20	1	Circuit breaker 10A/B	Siemens	SIE.5SY6210-6
+MC2.02-F20	1	Auxiliary switch	Siemens	SIE.5ST3010
+MC2.02-F21	1	Circuit breaker 6A/B	Siemens	SIE.5SY6106-6
+MC2.02-F22	1	Circuit breaker 6A/B	Siemens	SIE.5SY6106-6
+MC2.02-F22	1	Auxiliary switch	Siemens	SIE.5ST3010
+MC2.02-F23	1	Circuit breaker 6A/C	Siemens	SIE.5SY6106-7
+MC2.02-F23	1	Auxiliary switch	Siemens	SIE.5ST3010
+MC2.02-F24	1	Circuit breaker 2A/C	Siemens	SIE.5SY6102-7
+MC2.02-F24	1	Auxiliary switch	Siemens	SIE.5ST3010
+MC2.02-F25	1	Circuit breaker 6A/C	Siemens	SIE.5SY6106-7
+MC2.02-F25	1	Auxiliary switch	Siemens	SIE.5ST3010
+MC2.02-K01	1	Contactors AC3:5,5KW/400V 1S DC24V	Siemens	SIE.3RT1017-1BB41
+MC2.02-Q1	1	LEISTUNGSSCHALTER SCHRAUB 5A	Siemens	SIE.3RV1421-1FA10
+MC2.02-Q1	1	Auxiliary switch	Siemens	SIE.3RV1901-1E
+MC2.02-Q1	1	Adapter busbar 60mm, S0, S00	Siemens	SIE.8US1251-5DM07
+MC2.02-Q2	1	LEISTUNGSSCHALTER SCHRAUB 8A	Siemens	SIE.3RV1021-1HA15
+MC2.02-Q3	1	LEISTUNGSSCHALTER SCHRAUB 4A	Siemens	SIE.3RV1021-1EA10
+MC2.02-Q3	1	Adapter busbar 60mm, S0, S00	Siemens	SIE.8US1251-5DM07
+MC2.02-XA2	1	busbar adapter 125A	Rittal	RIT.SV 9342.240
+MC1.03-F1	1	Circuit breaker 10A/B	Siemens	SIE.5SY6110-6
+MC1.03-F2	1	Circuit breaker 10A/B	Siemens	SIE.5SY6110-6
+MC1.03-F3	1	Circuit breaker 10A/B	Siemens	SIE.5SY6110-6
+MC1.03-F4	1	Circuit breaker 6A/B	Siemens	SIE.5SY6106-6
+MC1.03-F5	1	Circuit breaker 10A/B	Siemens	SIE.5SY6110-6
+MC1.03-F6	1	Circuit breaker 16A/B	Siemens	SIE.5SY6116-6
+MC1.03-F7	1	Circuit breaker 16A/B	Siemens	SIE.5SY6316-6
+MC1.03-F8	1	Circuit breaker 10A/B	Siemens	SIE.5SY6110-6
+MC1.03-F9	1	Circuit breaker 10A/B	Siemens	SIE.5SY6110-6
+MC1.03-F10	1	Circuit breaker 10A/B	Siemens	SIE.5SY6110-6
+MC1.03-F11	1	Circuit breaker 6A/B	Siemens	SIE.5SY6106-6
+MC1.03-K1	1	Remote control switch, 4NO, 230V AC	Siemens	SIE.5TT4103-0
+MC1.03-K2	1	Remote control switch, 4NO, 230V AC	Siemens	SIE.5TT4103-0
+MC1.03-Q1	1	Circuit breker 57-75A	Siemens	SIE.3RV1041-4KA10
+MC1.03-Q1	1	Adapter busbar 40 and 60mm, for 3RV S3	Siemens	SIE.8US1111-4SM00
+MC1.03-Q2	1	Circuit breaker 22-32A	Siemens	SIE.3RV1431-4EA10
+MC1.03-Q2	1	Adapter busbar 60mm, for 3RV S2	Siemens	SIE.8US1261-5FM08
+MC1.03-Q3	1	Circuit breaker 22-32A	Siemens	SIE.3RV1031-4EA10
+MC1.04-E01	1	Enclosure heater prot. cat. IP 40 therm. output 130 W, 230 V max. temperature range: +65°C +/-5°C	Rittal	RIT.3107000
+MC1.04-F1	1	Circuit breaker 10A/B	Siemens	SIE.5SY6110-6
+MC1.04-H01	1	Panel light	J. Richter Elektrotechnik	RICH.LL14-SK-R

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Parts list

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device tag	Quantity	designation	supplier	part number
+MC1.04-H02	1	Panel light	J. Richter Elektrotechnik	RICH.LL14-SK-R
+MC1.04-M01	1	Filter exhaust	Rittal	RIT.SK 3325.107
+MC1.04-M01	1	Withdrawal exhaust	Rittal	RIT.SK 3325.207
+MC1.04-S01	1	Hygrostat	Rittal	RIT.3118000
+MC1.04-S02	1	Enclosure internal thermostat	Rittal	RIT.3110000
+MC2.04-E01	1	Enclosure heater prot. cat. IP 40 therm. output 130 W, 230 V max. temperature range: +65°C +/-5°C	Rittal	RIT.3107000
+MC2.04-H01	1	Panel light	J. Richter Elektrotechnik	RICH.LL14-SK-R
+MC2.04-H02	1	Panel light	J. Richter Elektrotechnik	RICH.LL14-SK-R
+MC2.04-M01	1	Filter exhaust	Rittal	RIT.SK 3325.107
+MC2.04-M01	1	Withdrawal exhaust	Rittal	RIT.SK 3325.207
+MC2.04-S01	1	Hygrostat	Rittal	RIT.3118000
+MC2.04-S02	1	Enclosure internal thermostat	Rittal	RIT.3110000
+MC1.05-A00	1	IM 151-1 STD	Siemens	SIE.6ES7151-1AA04-0AB0
+MC1.05-A01	1	PM-E, DC 24V	Siemens	SIE.6ES7138-4CA01-0AA0
+MC1.05-A02	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC1.05-A03	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC1.05-A04	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC1.05-A05	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC1.05-A06	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC1.05-A07	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC1.05-A08	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC1.05-A09	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC1.05-A10	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC1.05-A11	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC1.05-A12	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC1.05-A13	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC1.05-A14	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC1.05-A15	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC1.05-A16	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC1.05-A17	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC1.05-A18	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC1.05-A19	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC1.05-A20	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC1.05-A21	1	4DO ST, DC 24V, 0.5A	Siemens	SIE.6ES7132-4BD02-0AA0
+MC1.05-A22	1	4DO ST, DC 24V, 0.5A	Siemens	SIE.6ES7132-4BD02-0AA0
+MC1.05-A23	1	4DO ST, DC 24V, 0.5A	Siemens	SIE.6ES7132-4BD02-0AA0
+MC1.05-A24	1	4DO ST, DC 24V, 0.5A	Siemens	SIE.6ES7132-4BD02-0AA0
+MC1.05-A25	1	4DO ST, DC 24V, 0.5A	Siemens	SIE.6ES7132-4BD02-0AA0
+MC1.05-A26	1	4DO ST, DC 24V, 0.5A	Siemens	SIE.6ES7132-4BD02-0AA0
+MC1.05-A27	1	4DO ST, DC 24V, 0.5A	Siemens	SIE.6ES7132-4BD02-0AA0
+MC1.05-A28	1	2AI STD I-4DMU, 4-20MA	Siemens	SIE.6ES7134-4GB11-0AB0
+MC1.05-A29	1	2AI STD I-4DMU, 4-20MA	Siemens	SIE.6ES7134-4GB11-0AB0
+MC1.05-A30	1	2AI STD I-4DMU, 4-20MA	Siemens	SIE.6ES7134-4GB11-0AB0
+MC1.05-A31	1	1 SSI 25BIT/1MHZ	Siemens	SIE.6ES7138-4DB02-0AB0
+MC1.05-A40	1	SIMATIC S7-300, Load current supply	Siemens	SIE.6ES7307-1EA00-0AA0
+MC1.05-A41	1	CPU 315-2 PN/DP	Siemens	SIE.6ES7315-2EH13-0AB0
+MC1.05-A42	1	Ethernet switch 5 port	Weidmüller	WEI.IE-SW5-ECO
+MC2.05-A00	1	IM 151-1 STD	Siemens	SIE.6ES7151-1AA04-0AB0
+MC2.05-A01	1	PM-E, DC 24V	Siemens	SIE.6ES7138-4CA01-0AA0
+MC2.05-A02	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC2.05-A03	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC2.05-A04	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC2.05-A05	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC2.05-A06	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC2.05-A07	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC2.05-A08	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0

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Parts list

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device tag	Quantity	designation	supplier	part number
+MC2.05-A09	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC2.05-A10	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC2.05-A11	1	4DI ST, DC 24V	Siemens	SIE.6ES7131-4BD01-0AA0
+MC2.05-A12	1	4DO ST, DC 24V, 0.5A	Siemens	SIE.6ES7132-4BD02-0AA0
+MC2.05-A13	1	4DO ST, DC 24V, 0.5A	Siemens	SIE.6ES7132-4BD02-0AA0
+MC2.05-A14	1	4DO ST, DC 24V, 0.5A	Siemens	SIE.6ES7132-4BD02-0AA0
+MC2.05-A15	1	2AI STD I-4DMU, 4-20MA	Siemens	SIE.6ES7134-4GB11-0AB0
+MC2.05-A16	1	2AI STD I-4DMU, 4-20MA	Siemens	SIE.6ES7134-4GB11-0AB0
+MC2.05-A17	1	2AI STD I-4DMU, 4-20MA	Siemens	SIE.6ES7134-4GB11-0AB0
+MC1.09-H1	1	KOMPL.LEUCHTM.GLATT,LED 24V,RD,SCHRAUB.	Siemens	SIE.3SB3244-6AA20
+MC1.09-H2	1	Signallamp, LED 24V, green	Siemens	SIE.3SB3244-6AA40
+MC1.09-K06	1	Coupling relay	Siemens	SIE.3TX7004-1LB00
+MC1.09-K36	1	relay	Siemens	SIE.LZS:PT5A5L24
+MC1.09-K37	1	relay	Siemens	SIE.LZS:PT5A5L24
+MC1.09-K61	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.09-K62	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.09-K63	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.09-K64	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.09-K65	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.09-K66	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.09-K67	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.09-K68	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.09-S1	1	Code switch	Siemens	SIE.3SB3000-4LD11
+MC1.09-S2	1	Illuminated pushbutton green	Siemens	SIE.3SB3245-0AA41
+MC1.09-S3	1	Illuminated pushbutton red	Siemens	SIE.3SB3246-0AA21
+MC1.09-S4	1	Pushbutton blue	Siemens	SIE.3SB3202-0AA51
+MC1.09-S5	1	Illuminated pushbutton blue	Siemens	SIE.3SB3245-0AA51
+MC1.09-S50	1	Emergency stop button	Siemens	SIE.3SB3203-1HA20
+MC1.09-S50	1	Auxiliary switch	Siemens	SIE.3SB3400-0C
+MC1.16-16-S30	1	Illuminated pushbutton red	Siemens	SIE.3SB3246-0AA21
+MC1.16-16-S31	1	Illuminated pushbutton green	Siemens	SIE.3SB3245-0AA41
+MC1.16-F31	1	Motor protective relay	Siemens	SIE.3RN1022-1DW00
+MC1.16-F32	1	Motor protective relay	Siemens	SIE.3RN1022-1DW00
+MC1.16-G1	1	Micromaster 440 frequency converter 22kW	Siemens	SIE.6SE6440-2AD32-2DA1
+MC1.16-G1	1	Micromaster 4 input reactor	Siemens	SIE.6SE6400-3CC05-4DD0
+MC1.16-G1	1	Micromaster 4 output reactor	Siemens	SIE.6SE6400-3TC05-4BD0
+MC1.16-G1	1	Accessories for Micormaster	Siemens	SIE.6SE6400-1PB00-0AA0
+MC1.16-G1	1	Micromaster 4 basic operator panel	Siemens	SIE.6SE6400-0BP00-0AA0
+MC1.16-G2	1	Micromaster 440 frequency converter 22kW	Siemens	SIE.6SE6440-2AD32-2DA1
+MC1.16-G2	1	Micromaster 4 input reactor	Siemens	SIE.6SE6400-3CC05-4DD0
+MC1.16-G2	1	Micromaster 4 output reactor	Siemens	SIE.6SE6400-3TC05-4BD0
+MC1.16-G2	1	Accessories for Micormaster	Siemens	SIE.6SE6400-1PB00-0AA0
+MC1.16-G2	1	Micromaster 4 basic operator panel	Siemens	SIE.6SE6400-0BP00-0AA0
+MC1.16-K01	1	Coupling relay	Siemens	SIE.3TX7004-1LB00
+MC1.16-K02	1	Coupling relay	Siemens	SIE.3TX7004-1LB00
+MC1.16-K07	1	Coupling relay	Siemens	SIE.3TX7004-1LB00
+MC1.16-K08	1	Coupling relay	Siemens	SIE.3TX7004-1LB00
+MC1.16-K11	1	relay	Siemens	SIE.LZS:RT4A4L24
+MC1.16-K12	1	relay	Siemens	SIE.LZS:RT4A4L24
+MC1.16-K41	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.16-K42	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.16-K51	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.16-K52	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.16-K61	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.16-K62	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.16-K63	1	relay	Siemens	SIE.LZS:RT4A4T30

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device tag	Quantity	designation	supplier	part number
+MC1.16-K64	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.16-Q1	1	Contactor 22kW	Siemens	SIE.3RT1036-1AP04
+MC1.16-Q1	1	RC-element, AC 127-240V, DC 150-240V	Siemens	SIE.3RT1936-1CD00
+MC1.16-Q2	1	Contactor 22kW	Siemens	SIE.3RT1036-1AP04
+MC1.16-Q2	1	RC-element, AC 127-240V, DC 150-240V	Siemens	SIE.3RT1936-1CD00
+MC1.16-Q7	1	Contactor AC3:3KW/400V 1S AC220V 50HZ/240V	Siemens	SIE.3RT1015-1AP01
+MC1.16-Q7	1	Auxiliary switch	Siemens	SIE.3RH1911-1FA20
+MC1.16-Q7	1	RC-element, AC 127-240V, DC 150-240V	Siemens	SIE.3RT1926-1CD00
+MC1.16-Q7	1	Connector	Siemens	SIE.3RA1911-1AA00
+MC1.16-Q8	1	Contactor AC3:3KW/400V 1S AC220V 50HZ/240V	Siemens	SIE.3RT1015-1AP01
+MC1.16-Q8	1	Auxiliary switch	Siemens	SIE.3RH1911-1FA20
+MC1.16-Q8	1	RC-element, AC 127-240V, DC 150-240V	Siemens	SIE.3RT1926-1CD00
+MC1.16-Q8	1	Connector	Siemens	SIE.3RA1911-1AA00
+MC1.16-Q10	1	LEISTUNGSSCHALTER SCHRAUB 100A	Siemens	SIE.3RV1042-4MA10
+MC1.16-Q10	1	Auxiliary switch	Siemens	SIE.3RV1901-1E
+MC1.16-Q10	1	Adapter busbar 60mm, for 3RV S3	Siemens	SIE.8US1211-4TM00
+MC1.16-Q20	1	LEISTUNGSSCHALTER SCHRAUB 100A	Siemens	SIE.3RV1042-4MA10
+MC1.16-Q20	1	Auxiliary switch	Siemens	SIE.3RV1901-1E
+MC1.16-Q20	1	Adapter busbar 60mm, for 3RV S3	Siemens	SIE.8US1211-4TM00
+MC1.16-Q70	1	Circuit breaker 0,18-0,25A	Siemens	SIE.3RV1011-0CA15
+MC1.16-Q70	1	Adapter busbar 60mm, S0, S00	Siemens	SIE.8US1251-5DM07
+MC1.16-Q71	1	Circuit breaker 0,18-0,25A	Siemens	SIE.3RV1011-0CA15
+MC1.16-Q71	1	Adapter busbar 60mm, S0, S00	Siemens	SIE.8US1251-5DM07
+MC1.16-T11	1	Current transformer 50/4-20mA	MBS AG	MBS.MBS-66014
+MC1.16-T21	1	Current transformer 50/4-20mA	MBS AG	MBS.MBS-66014
+MC2.16-F31	1	Motor protective relay	Siemens	SIE.3RN1022-1DW00
+MC2.16-F32	1	Motor protective relay	Siemens	SIE.3RN1022-1DW00
+MC2.16-G1	1	Micromaster 440 frequency converter 22kW	Siemens	SIE.6SE6440-2AD32-2DA1
+MC2.16-G1	1	Micromaster 4 input reactor	Siemens	SIE.6SE6400-3CC05-4DD0
+MC2.16-G1	1	Micromaster 4 output reactor	Siemens	SIE.6SE6400-3TC05-4BD0
+MC2.16-G1	1	Accessories for Micormaster	Siemens	SIE.6SE6400-1PB00-0AA0
+MC2.16-G1	1	Micromaster 4 basic operator panel	Siemens	SIE.6SE6400-0BP00-0AA0
+MC2.16-G2	1	Micromaster 440 frequency converter 22kW	Siemens	SIE.6SE6440-2AD32-2DA1
+MC2.16-G2	1	Micromaster 4 input reactor	Siemens	SIE.6SE6400-3CC05-4DD0
+MC2.16-G2	1	Micromaster 4 output reactor	Siemens	SIE.6SE6400-3TC05-4BD0
+MC2.16-G2	1	Accessories for Micormaster	Siemens	SIE.6SE6400-1PB00-0AA0
+MC2.16-G2	1	Micromaster 4 basic operator panel	Siemens	SIE.6SE6400-0BP00-0AA0
+MC2.16-K01	1	Coupling relay	Siemens	SIE.3TX7004-1LB00
+MC2.16-K02	1	Coupling relay	Siemens	SIE.3TX7004-1LB00
+MC2.16-K07	1	Coupling relay	Siemens	SIE.3TX7004-1LB00
+MC2.16-K08	1	Coupling relay	Siemens	SIE.3TX7004-1LB00
+MC2.16-K11	1	relay	Siemens	SIE.LZS:RT4A4L24
+MC2.16-K12	1	relay	Siemens	SIE.LZS:RT4A4L24
+MC2.16-K41	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC2.16-K42	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC2.16-K51	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC2.16-K52	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC2.16-K61	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC2.16-K62	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC2.16-K63	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC2.16-K64	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC2.16-Q1	1	Contactor 22kW	Siemens	SIE.3RT1036-1AP04
+MC2.16-Q1	1	RC-element, AC 127-240V, DC 150-240V	Siemens	SIE.3RT1936-1CD00
+MC2.16-Q2	1	Contactor 22kW	Siemens	SIE.3RT1036-1AP04
+MC2.16-Q2	1	RC-element, AC 127-240V, DC 150-240V	Siemens	SIE.3RT1936-1CD00
+MC2.16-Q7	1	Contactor AC3:3KW/400V 1S AC220V 50HZ/240V	Siemens	SIE.3RT1015-1AP01

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			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Parts list : SIE.LZS:RT4A4T30 - SIE.3RT1015-1AP01		20.226	= 521BC05
			Ed.	Schmidt					27/04/2010	+ STKL
			Appr	Dauterstedt					12344	Page 1.d of 1.f
Modification	Date	Name	Original		Replacement of	Replaced by				121

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device tag	Quantity	designation	supplier	part number
+MC2.16-Q7	1	Auxiliary switch	Siemens	SIE.3RH1911-1FA20
+MC2.16-Q7	1	RC-element, AC 127-240V, DC 150-240V	Siemens	SIE.3RT1926-1CD00
+MC2.16-Q7	1	Connector	Siemens	SIE.3RA1911-1AA00
+MC2.16-Q8	1	Contactor AC3:3KW/400V 1S AC220V 50HZ/240V	Siemens	SIE.3RT1015-1AP01
+MC2.16-Q8	1	Auxiliary switch	Siemens	SIE.3RH1911-1FA20
+MC2.16-Q8	1	RC-element, AC 127-240V, DC 150-240V	Siemens	SIE.3RT1926-1CD00
+MC2.16-Q8	1	Connector	Siemens	SIE.3RA1911-1AA00
+MC2.16-Q10	1	LEISTUNGSSCHALTER SCHRAUB 100A	Siemens	SIE.3RV1042-4MA10
+MC2.16-Q10	1	Auxiliary switch	Siemens	SIE.3RV1901-1E
+MC2.16-Q10	1	Adapter busbar 60mm, for 3RV S3	Siemens	SIE.8US1211-4TM00
+MC2.16-Q20	1	LEISTUNGSSCHALTER SCHRAUB 100A	Siemens	SIE.3RV1042-4MA10
+MC2.16-Q20	1	Auxiliary switch	Siemens	SIE.3RV1901-1E
+MC2.16-Q20	1	Adapter busbar 60mm, for 3RV S3	Siemens	SIE.8US1211-4TM00
+MC2.16-Q70	1	Circuit breaker 0,18-0,25A	Siemens	SIE.3RV1011-0CA15
+MC2.16-Q70	1	Adapter busbar 60mm, S0, S00	Siemens	SIE.8US1251-5DM07
+MC2.16-Q71	1	Circuit breaker 0,18-0,25A	Siemens	SIE.3RV1011-0CA15
+MC2.16-Q71	1	Adapter busbar 60mm, S0, S00	Siemens	SIE.8US1251-5DM07
+MC2.16-T11	1	Current transformer 50/4-20mA	MBS AG	MBS.MBS-66014
+MC2.16-T21	1	Current transformer 50/4-20mA	MBS AG	MBS.MBS-66014
+MC1.20-20-S30	1	Illuminated pushbutton red	Siemens	SIE.3SB3246-0AA21
+MC1.20-20-S31	1	Illuminated pushbutton green	Siemens	SIE.3SB3245-0AA41
+MC1.20-20-S32	1	Illuminated pushbutton green	Siemens	SIE.3SB3245-0AA41
+MC1.20-F31	1	Motor protective relay	Siemens	SIE.3RN1022-1DW00
+MC1.20-F32	1	Motor protective relay	Siemens	SIE.3RN1022-1DW00
+MC1.20-G1	1	Micromaster 440 frequency converter 7,5kW	Siemens	SIE.6SE6440-2AD27-5CA1
+MC1.20-G1	2	Micromaster 4 output reactor	Siemens	SIE.6SE6400-3TC03-2CD3
+MC1.20-G1	1	Micromaster 4 basic operator panel	Siemens	SIE.6SE6400-0BP00-0AA0
+MC1.20-G1	1	Micromaster 4 input reactor	Siemens	SIE.6SE6400-3CC02-2CD3
+MC1.20-G1	1	Accessories for Micormaster	Siemens	SIE.6SE6400-1PB00-0AA0
+MC1.20-K01	1	Coupling relay	Siemens	SIE.3TX7004-1LB00
+MC1.20-K41	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.20-K51	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.20-K52	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.20-K61	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.20-K62	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.20-K63	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.20-K64	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.20-K65	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.20-Q1	1	Contactor AC3:7,5KW/400V	Siemens	SIE.3RT1025-1AP04
+MC1.20-Q1	1	RC-element, AC 127-240V, DC 150-240V	Siemens	SIE.3RT1926-1CD00
+MC1.20-Q10	1	Circuit breaker 28-40A	Siemens	SIE.3RV1031-4FA10
+MC1.20-Q10	1	Auxiliary switch	Siemens	SIE.3RV1901-1E
+MC1.20-Q10	1	Adapter busbar 60mm, for 3RV S2	Siemens	SIE.8US1261-5FM08
+MC1.20-Q11	1	Circuit breaker 7-10A	Siemens	SIE.3RV1021-1JA15
+MC1.20-Q12	1	Circuit breaker 7-10A	Siemens	SIE.3RV1021-1JA15
+MC1.20-T11	1	Current transformer 10A/4-20mA	MBS AG	MBS.MBS-66008
+MC1.20-T12	1	Current transformer 10A/4-20mA	MBS AG	MBS.MBS-66008
+MC2.20-F31	1	Motor protective relay	Siemens	SIE.3RN1022-1DW00
+MC2.20-F32	1	Motor protective relay	Siemens	SIE.3RN1022-1DW00
+MC2.20-G1	1	Micromaster 440 frequency converter 7,5kW	Siemens	SIE.6SE6440-2AD27-5CA1
+MC2.20-G1	2	Micromaster 4 output reactor	Siemens	SIE.6SE6400-3TC03-2CD3
+MC2.20-G1	1	Micromaster 4 basic operator panel	Siemens	SIE.6SE6400-0BP00-0AA0
+MC2.20-G1	1	Micromaster 4 input reactor	Siemens	SIE.6SE6400-3CC02-2CD3
+MC2.20-G1	1	Accessories for Micormaster	Siemens	SIE.6SE6400-1PB00-0AA0
+MC2.20-K01	1	Coupling relay	Siemens	SIE.3TX7004-1LB00
+MC2.20-K41	1	relay	Siemens	SIE.LZS:RT4A4T30

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device tag	Quantity	designation	supplier	part number
+MC2.20-K51	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC2.20-K52	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC2.20-K61	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC2.20-K62	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC2.20-K63	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC2.20-K64	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC2.20-K65	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC2.20-Q1	1	Contactor AC3:7,5KW/400V	Siemens	SIE.3RT1025-1AP04
+MC2.20-Q1	1	RC-element, AC 127-240V, DC 150-240V	Siemens	SIE.3RT1926-1CD00
+MC2.20-Q10	1	Circuit breaker 28-40A	Siemens	SIE.3RV1031-4FA10
+MC2.20-Q10	1	Auxiliary switch	Siemens	SIE.3RV1901-1E
+MC2.20-Q10	1	Adapter busbar 60mm, for 3RV S2	Siemens	SIE.8US1261-5FM08
+MC2.20-Q11	1	Circuit breaker 7-10A	Siemens	SIE.3RV1021-1JA15
+MC2.20-Q12	1	Circuit breaker 7-10A	Siemens	SIE.3RV1021-1JA15
+MC2.20-T11	1	Current transformer 10A/4-20mA	MBS AG	MBS.MBS-66008
+MC2.20-T12	1	Current transformer 10A/4-20mA	MBS AG	MBS.MBS-66008
+MC1.91-F31	1	Motor protective relay	Siemens	SIE.3RN1022-1DW00
+MC1.91-K01	1	Coupling relay	Siemens	SIE.3TX7004-1LB00
+MC1.91-K02	1	relay	Siemens	SIE.LZS:RT4A4L24
+MC1.91-K03	1	relay	Siemens	SIE.LZS:RT4A4L24
+MC1.91-K51	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.91-K61	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.91-K62	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.91-K63	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.91-K64	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.91-K65	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.91-K66	1	relay	Siemens	SIE.LZS:RT4A4T30
+MC1.91-Q1	1	Contactor AC3:3KW/400V 1S AC220V 50HZ/240V	Siemens	SIE.3RT1015-1AP01
+MC1.91-Q1	1	RC-element, AC 127-240V, DC 150-240V	Siemens	SIE.3RT1916-1CD00
+MC1.91-Q1	1	Connector	Siemens	SIE.3RA1911-1AA00
+MC1.91-Q10	1	Circuit breaker 1,8-2,5A	Siemens	SIE.3RV1011-1CA15
+MC1.91-Q10	1	Adapter busbar 60mm, S0, S00	Siemens	SIE.8US1251-5DM07
+MC1-16-S40	1	Illuminated pushbutton red	Siemens	SIE.3SB3246-0AA21
+MC1-16-S41	1	Illuminated pushbutton green	Siemens	SIE.3SB3245-0AA41
+MC1-20-S40	1	Illuminated pushbutton red	Siemens	SIE.3SB3246-0AA21
+MC1-20-S41	1	Illuminated pushbutton green	Siemens	SIE.3SB3245-0AA41
+MC1-20-S42	1	Illuminated pushbutton green	Siemens	SIE.3SB3245-0AA41
+CK.06-MI1	1	Power supply PS791-2AC	Siemens	SIE.6GK5791-2AC00-0AA0
+CK.06-MI1	1	IWLAN access point SCALANCE W786-2RR	Siemens	SIE.6GK5786-2BA60-6AA0
+CK.06-MI1	1	IWLAN TERMINATION IMPEDANCE TI 795-1R	Siemens	SIE.6GK5795-1TR10-0AA6
+CK.06-MI1	1	IWLAN RCOAX N-CONNECT FEMALE ANTENNA ANT792-4DN	Siemens	SIE.6GK5792-4DN00-0AA6
+CK.06-MI1	1	SIMATIC NET, IWLAN N-CONNECT	Siemens	SIE.6XV1875-5CH10
+CK.06-MI1	1	RCOAX-CABLE	Siemens	SIE.6XV1875-2A235M
+CK.06-MI2	1	Power supply PS791-2AC	Siemens	SIE.6GK5791-2AC00-0AA0
+CK.06-MI2	1	IWLAN access point SCALANCE W786-2RR	Siemens	SIE.6GK5786-2BA60-6AA0
+CK.06-MI2	1	IWLAN TERMINATION IMPEDANCE TI 795-1R	Siemens	SIE.6GK5795-1TR10-0AA6
+CK.06-MI2	1	IWLAN RCOAX N-CONNECT FEMALE ANTENNA ANT792-4DN	Siemens	SIE.6GK5792-4DN00-0AA6
+CK.06-MI2	1	SIMATIC NET, IWLAN N-CONNECT	Siemens	SIE.6XV1875-5CH10
+CK.06-MI2	1	RCOAX-CABLE	Siemens	SIE.6XV1875-2A235M
+ER-R01	1	Brake resistor 650W	Siemens	SIE.6SE6400-4BD16-5CA0
+ER-R02	1	Brake resistor 650W	Siemens	SIE.6SE6400-4BD16-5CA0
+ER-R03	1	Brake resistor 650W	Siemens	SIE.6SE6400-4BD16-5CA0
+ER-R04	1	Brake resistor 650W	Siemens	SIE.6SE6400-4BD16-5CA0
+ER-R05	1	Brake resistor 650W	Siemens	SIE.6SE6400-4BD16-5CA0
+ER-R06	1	Brake resistor 650W	Siemens	SIE.6SE6400-4BD16-5CA0

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Cable overview

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Cable name	Source (from)	Target (to)	cable type	all conductors	Conductors used	Cross-section [mm]	Length [m]	function text
MC1PO1	+MO9-X	L1	RXG-8CSMNSHTÖU	3G	4	120mm²/+3G70/3mm³		Supply voltage 380V AC
		L2						
		L3						
		+MC1.01-PE						
MC2PO1	+MC1.01-X01	+MC2.02-X01	H07RN-F G	4	3	16mm²		
		+MC2.02-Q3						
MC2PO2	+MC1.01-X01	L1	H07RN-F G	4	6	50mm²		380V AC to MC2
		+MC2.16-Q10						
		L2						
		L3						
MO1CO1	+MC1.16-X06	+MO1-B1	H07RN-F G	5	4	1,5mm²		Motor 1 Belt drive
		+MO1-B2						
MO1CO3	+MC1.16-X03	+MO1-E1	H07RN-F G	3	3	1,5mm²		Motor 1 Belt drive
MO1PO1	+MC1.16-X01	+MO1-M1	H07RN-F G	4	4	10mm²		=
MO1PO2	+MC1.16-X01	+MO1-Q1	H07RN-F G	4	3	1,5mm²		=
MO2CO1	+MC1.16-X06	+MO2-B3	H07RN-F G	5	4	1,5mm²		Motor 2 Belt drive
		+MO2-B4						
MO2CO3	+MC1.16-X03	+MO2-E2	H07RN-F G	3	3	1,5mm²		Motor 2 Belt drive
MO2PO1	+MC1.16-X01	+MO2-M2	H07RN-F G	4	4	10mm²		=
MO2PO2	+MC1.16-X01	+MO2-Q2	H07RN-F G	4	3	1,5mm²		=
MO3CO1	+MC1.20-X06	+MO3-B1	H07RN-F G	5	4	1,5mm²		Travel drive 1
		+MO3-B2						
MO3PO1	+MC1.20-X01	+MO3-M3	H07RN-F G	4	4	2,5mm²		Travel drive 1
MO4CO1	+MC1.20-X06	+MO4-B3	H07RN-F G	5	4	1,5mm²		Travel drive 2
		+MO4-B4						
MO4PO1	+MC1.20-X01	+MO4-M4	H07RN-F G	4	4	2,5mm²		Travel drive 2
MO5CO1	+MC2.16-X06	+MO5-B1	H07RN-F G	5	4	1,5mm²		Motor 3 Belt drive
		+MO5-B2						
MO5CO3	+MC2.16-X03	+MO5-E1	H07RN-F G	3	3	1,5mm²		Motor 3 Belt drive
MO5PO1	+MC2.16-X01	+MO5-M1	H07RN-F G	4	4	10mm²		=
MO5PO2	+MC2.16-X01	+MO5-Q1	H07RN-F G	4	3	1,5mm²		=
MO6CO1	+MC2.16-X06	+MO6-B3	H07RN-F G	5	4	1,5mm²		Motor 4 Belt drive
		+MO6-B4						
MO6CO3	+MC2.16-X03	+MO6-E2	H07RN-F G	3	3	1,5mm²		Motor 4 Belt drive
MO6PO1	+MC2.16-X01	+MO6-M2	H07RN-F G	4	4	10mm²		=
MO6PO2	+MC2.16-X01	+MO6-Q2	H07RN-F G	4	3	1,5mm²		=
MO7CO1	+MC2.20-X06	+MO7-B1	H07RN-F G	5	4	1,5mm²		Travel drive 3
		+MO7-B2						
MO7PO1	+MC2.20-X01	+MO7-M1	H07RN-F G	4	4	2,5mm²		Travel drive 3
MO8CO1	+MC2.20-X06	+MO8-B3	H07RN-F G	5	4	1,5mm²		Travel drive 4
		+MO8-B4						
MO8PO1	+MC2.20-X01	+MO8-M2	H07RN-F G	4	4	2,5mm²		Travel drive 4
MO9CO1	+MC1.91-X06	+MO9-B1	H07RN-F G	5	4	1,5mm²		Power cable reeling drum
		+MO9-B2						
MO9CO3	+MC1.91-X03	+MO9-E1	H07RN-F G	3	3	1,5mm²		Power cable reeling drum
MO9CO4	+MC1.91-X03	+MO9-E2	H07RN-F G	3	3	1,5mm²		=

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Cable overview

Schade_001

Cable name	Source (from)	Target (to)	cable type	all conductors	Conductors used	Cross-section [mm]	Length [m]	function text
MO9PO1	+MC1.91-X01	+MO9-M9	H07RN-F G	4	4	2,5mm²		Power cable reeling drum
MO9PO2	+DS1-X	+MO9-X	RXG-8CSMNSHTÖU	3G	4	120mm²/+3G70/3mm³		Supply voltage 380V AC
RO1CO1	+MC1.16-X03	+ER-R01	H07RN-F G	3	2	2,5mm²		Brake resistor
RO1CO2	+MC1.16-G1	+ER-R01	H07RN-F G	3	2	6mm²		=
RO2CO1	+MC1.16-X03	+ER-R02	H07RN-F G	3	2	2,5mm²		=
RO2CO2	+MC1.16-G2	+ER-R02	H07RN-F G	3	2	6mm²		=
RO3CO1	+MC1.20-X03	+ER-R03	H07RN-F G	3	2	2,5mm²		=
RO3CO2	+MC1.20-G1	+ER-R03	H07RN-F G	3	2	6mm²		=
RO4CO1	+MC2.16-X03	+ER-R04	H07RN-F G	3	2	2,5mm²		=
RO4CO2	+MC2.16-G1	+ER-R04	H07RN-F G	3	2	6mm²		=
RO5CO1	+MC2.16-X03	+ER-R05	H07RN-F G	3	2	2,5mm²		=
RO5CO2	+MC2.16-G2	+ER-R05	H07RN-F G	3	2	6mm²		=
RO6CO1	+MC2.20-X03	+ER-R06	H07RN-F G	3	2	2,5mm²		=
RO6CO2	+MC2.20-G1	+ER-R06	H07RN-F G	3	2	6mm²		=
W1	+MC1.03-X01	+CK.03-E01	H07RN-F G	3	2	2,5mm²		Walk way lights
W2	+MC1.03-X01	+CK.03-E02	H07RN-F G	3	2	2,5mm²		=
W3	+MC1.03-X01	+CK.03-E03	H07RN-F G	3	2	2,5mm²		=
W4	+MC1.03-X01	+CK.03-S01	H07RN-F G	3	2	1,5mm²		Lighting local ON
W5	+MC1.03-X01	+CK.03-S02	H07RN-F G	3	2	1,5mm²		=
W6	+MC1.03-X01	+CK.03-S05	H07RN-F G	3	2	1,5mm²		=
W10	+MC1.03-X01	+ER-T1	H07RN-F G	4	4	6mm²		Lighting transformer
		PE						
W11	+MC1.03-X01	+ER-T1	H07RN-F G	5	5	6mm²		Lighting transformer
		PE						
W12	+MC1.03-X01	+CK.03-E04	H07RN-F G	3	2	2,5mm²		Walk way lights
W13	+MC1.03-X01	+CK.03-E05	H07RN-F G	3	2	2,5mm²		=
W14	+MC1.03-X01	+CK.03-S03	H07RN-F G	3	2	1,5mm²		Lighting local ON
W15	+MC1.03-X01	+CK.03-S04	H07RN-F G	3	2	1,5mm²		=
W16	+MC1.03-X01	+CK.03-S06	H07RN-F G	3	2	1,5mm²		=
W17	+MC1.04-X01	+MC2.04-X01	H07RN-F G	3	3	2,5mm²		Panel light and heater MC2
W20	+MC1.16-X03	+CK.16-B12	H07RN-F G	3	2	1,5		Misalignment front left
W21	+MC1.16-X03	+CK.16-B11	H07RN-F G	3	2	1,5		Misalignment front right
W22	+MC1.16-X03	+CK.16-B31	H07RN-F G	5	2	1,5		=
W24	+MC2.16-X03	+CK.16-B22	H07RN-F G	3	2	1,5		Misalignment rear left
W25	+MC2.16-X03	+CK.16-B21	H07RN-F G	3	2	1,5		Misalignment rear right
W27	+MC1.06-X03.1	+CK.06-MI1	H07RN-F G	3	3	2,5		
W28	+MC1.05-A42	+CK.06-MI1	Ethernet cable		1			
W31	+MC1.20-X06	+CK.20-B91	Sensor cable FDU		3			
W32	+JB.20-X03	+CK.20-B12	H07RN-F G	3	2	1,5mm²		Travel drive way end right
W33	+JB.20-X03	+CK.20-B22	H07RN-F G	3	2	1,5mm²		Travel drive way end left
W34	+JB.20-X03	+CK.20-B40	H07RN-F G	3	2	1,5mm²		Set point pile 1
W35	+MC1.20-X03	+JB.20-X03	H07RN-F G	12	7	1,5mm²		Travel drive way end absolute right
W36	+JB.20-X03	+CK.20-B10	H07RN-F G	7	5	1,5mm²		=
W37	+MC1.20-X05	+CK.20-B31	RS_KA421		10			
W45	+MC1.09-X03.1	+CK.09-S51	H07RN-F G	5	5	1,5mm²		EMG stop push button 1

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Cable overview

Schade_001

Cable name	Source (from)	Target (to)	cable type	all conductors	Conductors used	Cross-section [mm]	Length [m]	function text
W46	+MC1.09-X03.1	+CK.09-S52	H07RN-F G	5	5	1,5mm²		EMG stop push button 2
W47	+MC1.09-X03.1	+CK.09-S53	H07RN-F G	5	5	1,5mm²		EMG stop push button 3
W48	+MC1.09-X03.1	+CK.09-S54	H07RN-F G	5	5	1,5mm²		EMG stop push button 4
W50	+MC1.09-X03.1	+CK.09-B10	H07RN-F G	5	5	1,5mm²		Pull rope 1 right
W51	+MC1.09-X03.1	+CK.09-B15	H07RN-F G	5	5	1,5mm²		Pull rope 2 right
W52	+MC1.09-X03.1	+CK.09-B20	H07RN-F G	5	5	1,5mm²		Pull rope 1 left
W53	+MC1.09-X03.1	+CK.09-B25	H07RN-F G	5	5	1,5mm²		Pull rope 2 left
W56	+MC2.20-X03	+JB.21-X03	H07RN-F G	12	7	1,5mm²		Travel drive way end absolute right
W57	+JB.21-X03	+CK.21-B10	H07RN-F G	7	5	1,5mm²		=
W58	+JB.21-X03	+CK.21-B12	H07RN-F G	3	2	1,5mm²		Travel drive way end right
W59	+JB.21-X03	+CK.21-B22	H07RN-F G	3	2	1,5mm²		Travel drive way end left
W60	+JB.21-X03	+CK.21-B40	H07RN-F G	3	2	1,5mm²		Set point pile 2
W65	+MC2.20-X06	+CK.20-B93	Sensor cable FDU		3			
W79	+MC1.91-X03	+JB.91-X03	H07RN-F G	7	5	1,5mm²		Tight cable power reeling right
W80	+MC1.91-X03	+CK.91-B10	H07RN-F G	5	4	1,5mm²		Last winding power reeling
		+CK.91-B15						
W81	+JB.91-X03	+CK.91-B11	PVC	2	2	0,5mm²		Tight cable power reeling right
W82	+JB.91-X03	+CK.91-B21	PVC	2	2	0,5mm²		Tight cable power reel left
W83	+JB.91-X03	+CK.91-B16	PVC	2	2	0,5mm²		Slack cable power reel right
W84	+JB.91-X03	+CK.91-B26	PVC	2	2	0,5mm²		=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MC1PO1	RXG-8CSMNSHTÖU	3G	120mm²/+3G70/3mm³		Supply voltage 380V AC

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
	=521BC05+MO9-X	L2		L1	3	
	=521BC05+MO9-X	L3		L2	3	
	=521BC05+MO9-X	L4		L3	3	
	=521BC05+MO9-X	PEN		=521BC05+MC1.01-PE	3	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MC2PO1	H07RN-F G	4	16mm²		

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
	=521BC05+MC1.01-X01	1		=521BC05+MC2.02-X01	1	
	=521BC05+MC1.01-X01	2		=521BC05+MC2.02-X01	2	
	=521BC05+MC1.01-X01	3		=521BC05+MC2.02-Q3	5	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MC2PO2	H07RN-F G	4	50mm²		380V AC to MC2

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
380V AC to MC2	=521BC05+MC1.01-X01	7		L1		
=	=521BC05+MC1.01-X01	7		=521BC05+MC2.16-Q10	1	Motor 3 Belt drive
=	=521BC05+MC1.01-X01	8		L2		
=	=521BC05+MC1.01-X01	8		=521BC05+MC2.16-Q10	3	Motor 3 Belt drive
=	=521BC05+MC1.01-X01	9		L3		
=	=521BC05+MC1.01-X01	9		=521BC05+MC2.16-Q10	5	Motor 3 Belt drive

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO1CO1	H07RN-F G	5	1,5mm²		Motor 1 Belt drive

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Motor 1 Belt drive	=521BC05+MC1.16-X06	1		=521BC05+MO1-B1	T1	
=	=521BC05+MC1.16-X06	2		=521BC05+MO1-B1	T2	
=	=521BC05+MC1.16-X06	3		=521BC05+MO1-B2	T1	
=	=521BC05+MC1.16-X06	4		=521BC05+MO1-B2	T2	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO1CO3	H07RN-F G	3	1,5mm²		Motor 1 Belt drive

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Motor 1 Belt drive	=521BC05+MC1.16-X03	1		=521BC05+MO1-E1	L	
=	=521BC05+MC1.16-X03	2		=521BC05+MO1-E1	N	
=	=521BC05+MC1.16-X03	PE		=521BC05+MO1-E1	PE	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO1PO1	H07RN-F G	4	10mm²		Motor 1 Belt drive

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Motor 1 Belt drive	=521BC05+MC1.16-X01	1		=521BC05+MO1-M1	U1	Motor 1 Belt drive
=	=521BC05+MC1.16-X01	2		=521BC05+MO1-M1	V1	=
=	=521BC05+MC1.16-X01	3		=521BC05+MO1-M1	W1	=
=	=521BC05+MC1.16-X01	PE		=521BC05+MO1-M1	PE	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO1PO2	H07RN-F G	4	1,5mm²		Motor 1 Belt drive

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Motor 1 Belt drive	=521BC05+MC1.16-X01	4		=521BC05+MO1-Q1	L~	
=	=521BC05+MC1.16-X01	6		=521BC05+MO1-Q1	N	
=	=521BC05+MC1.16-X01	PE		=521BC05+MO1-Q1	PE	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO2CO1	H07RN-F G	5	1,5mm²		Motor 2 Belt drive

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Motor 2 Belt drive	=521BC05+MC1.16-X06	5		=521BC05+MO2-B3	T1	
=	=521BC05+MC1.16-X06	6		=521BC05+MO2-B3	T2	
=	=521BC05+MC1.16-X06	7		=521BC05+MO2-B4	T1	
=	=521BC05+MC1.16-X06	8		=521BC05+MO2-B4	T2	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO2CO3	H07RN-F G	3	1,5mm²		Motor 2 Belt drive

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Motor 2 Belt drive	=521BC05+MC1.16-X03	5		=521BC05+MO2-E2	L	
=	=521BC05+MC1.16-X03	6		=521BC05+MO2-E2	N	
=	=521BC05+MC1.16-X03	PE		=521BC05+MO2-E2	PE	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO2PO1	H07RN-F G	4	10mm²		Motor 2 Belt drive

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Motor 2 Belt drive	=521BC05+MC1.16-X01	7		=521BC05+MO2-M2	U1	Motor 2 Belt drive
=	=521BC05+MC1.16-X01	8		=521BC05+MO2-M2	V1	=
=	=521BC05+MC1.16-X01	9		=521BC05+MO2-M2	W1	=
=	=521BC05+MC1.16-X01	PE		=521BC05+MO2-M2	PE	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO2PO2	H07RN-F G	4	1,5mm²		Motor 2 Belt drive

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Motor 2 Belt drive	=521BC05+MC1.16-X01	10		=521BC05+MO2-Q2	L~	
=	=521BC05+MC1.16-X01	12		=521BC05+MO2-Q2	N	
=	=521BC05+MC1.16-X01	PE		=521BC05+MO2-Q2	PE	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO3CO1	H07RN-F G	5	1,5mm²		Travel drive 1

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Travel drive 1	=521BC05+MC1.20-X06	1		=521BC05+MO3-B1	x1	
=	=521BC05+MC1.20-X06	2		=521BC05+MO3-B1	x2	
=	=521BC05+MC1.20-X06	3		=521BC05+MO3-B2	x1	
=	=521BC05+MC1.20-X06	4		=521BC05+MO3-B2	x2	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO3PO1	H07RN-F G	4	2,5mm²		Travel drive 1

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Travel drive 1	=521BC05+MC1.20-X01	1		=521BC05+MO3-M3	U1	Travel drive 1
=	=521BC05+MC1.20-X01	2		=521BC05+MO3-M3	V1	=
=	=521BC05+MC1.20-X01	3		=521BC05+MO3-M3	W1	=
=	=521BC05+MC1.20-X01	PE		=521BC05+MO3-M3	PE	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO4CO1	H07RN-F G	5	1,5mm²		Travel drive 2

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Travel drive 2	=521BC05+MC1.20-X06	5		=521BC05+MO4-B3	x1	
=	=521BC05+MC1.20-X06	6		=521BC05+MO4-B3	x2	
=	=521BC05+MC1.20-X06	7		=521BC05+MO4-B4	x1	
=	=521BC05+MC1.20-X06	8		=521BC05+MO4-B4	x2	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO4PO1	H07RN-F G	4	2,5mm²		Travel drive 2

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Travel drive 2	=521BC05+MC1.20-X01	4		=521BC05+MO4-M4	U1	Travel drive 2
=	=521BC05+MC1.20-X01	5		=521BC05+MO4-M4	V1	=
=	=521BC05+MC1.20-X01	6		=521BC05+MO4-M4	W1	=
=	=521BC05+MC1.20-X01	PE		=521BC05+MO4-M4	PE	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO5CO1	H07RN-F G	5	1,5mm²		Motor 3 Belt drive

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Motor 3 Belt drive	=521BC05+MC2.16-X06	1		=521BC05+MO5-B1	T1	
=	=521BC05+MC2.16-X06	2		=521BC05+MO5-B1	T2	
=	=521BC05+MC2.16-X06	3		=521BC05+MO5-B2	T1	
=	=521BC05+MC2.16-X06	4		=521BC05+MO5-B2	T2	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO5CO3	H07RN-F G	3	1,5mm²		Motor 3 Belt drive

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Motor 3 Belt drive	=521BC05+MC2.16-X03	1		=521BC05+MO5-E1	L	
=	=521BC05+MC2.16-X03	2		=521BC05+MO5-E1	N	
=	=521BC05+MC2.16-X03	PE		=521BC05+MO5-E1	PE	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO5PO1	H07RN-F G	4	10mm²		Motor 3 Belt drive

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Motor 3 Belt drive	=521BC05+MC2.16-X01	1		=521BC05+MO5-M1	U1	Motor 3 Belt drive
=	=521BC05+MC2.16-X01	2		=521BC05+MO5-M1	V1	=
=	=521BC05+MC2.16-X01	3		=521BC05+MO5-M1	W1	=
=	=521BC05+MC2.16-X01	PE		=521BC05+MO5-M1	PE	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO5PO2	H07RN-F G	4	1,5mm²		Motor 3 Belt drive

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Motor 3 Belt drive	=521BC05+MC2.16-X01	4		=521BC05+MO5-Q1	L~	
=	=521BC05+MC2.16-X01	6		=521BC05+MO5-Q1	N	
=	=521BC05+MC2.16-X01	PE		=521BC05+MO5-Q1	PE	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO6CO1	H07RN-F G	5	1,5mm²		Motor 4 Belt drive

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Motor 4 Belt drive	=521BC05+MC2.16-X06	5		=521BC05+MO6-B3	T1	
=	=521BC05+MC2.16-X06	6		=521BC05+MO6-B3	T2	
=	=521BC05+MC2.16-X06	7		=521BC05+MO6-B4	T1	
=	=521BC05+MC2.16-X06	8		=521BC05+MO6-B4	T2	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO6CO3	H07RN-F G	3	1,5mm²		Motor 4 Belt drive

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Motor 4 Belt drive	=521BC05+MC2.16-X03	5		=521BC05+MO6-E2	L	
=	=521BC05+MC2.16-X03	6		=521BC05+MO6-E2	N	
=	=521BC05+MC2.16-X03	PE		=521BC05+MO6-E2	PE	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO6PO1	H07RN-F G	4	10mm²		Motor 4 Belt drive

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Motor 4 Belt drive	=521BC05+MC2.16-X01	7		=521BC05+MO6-M2	U1	Motor 4 Belt drive
=	=521BC05+MC2.16-X01	8		=521BC05+MO6-M2	V1	=
=	=521BC05+MC2.16-X01	9		=521BC05+MO6-M2	W1	=
=	=521BC05+MC2.16-X01	PE		=521BC05+MO6-M2	PE	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO6PO2	H07RN-F G	4	1,5mm²		Motor 4 Belt drive

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Motor 4 Belt drive	=521BC05+MC2.16-X01	10		=521BC05+MO6-Q2	L~	
=	=521BC05+MC2.16-X01	12		=521BC05+MO6-Q2	N	
=	=521BC05+MC2.16-X01	PE		=521BC05+MO6-Q2	PE	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO7CO1	H07RN-F G	5	1,5mm²		Travel drive 3

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Travel drive 3	=521BC05+MC2.20-X06	1		=521BC05+MO7-B1	x1	
=	=521BC05+MC2.20-X06	2		=521BC05+MO7-B1	x2	
=	=521BC05+MC2.20-X06	3		=521BC05+MO7-B2	x1	
=	=521BC05+MC2.20-X06	4		=521BC05+MO7-B2	x2	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO7PO1	H07RN-F G	4	2,5mm²		Travel drive 3

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Travel drive 3	=521BC05+MC2.20-X01	1		=521BC05+MO7-M1	U1	Travel drive 3
=	=521BC05+MC2.20-X01	2		=521BC05+MO7-M1	V1	=
=	=521BC05+MC2.20-X01	3		=521BC05+MO7-M1	W1	=
=	=521BC05+MC2.20-X01	PE		=521BC05+MO7-M1	PE	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO8CO1	H07RN-F G	5	1,5mm²		Travel drive 4

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Travel drive 4	=521BC05+MC2.20-X06	5		=521BC05+MO8-B3	x1	
=	=521BC05+MC2.20-X06	6		=521BC05+MO8-B3	x2	
=	=521BC05+MC2.20-X06	7		=521BC05+MO8-B4	x1	
=	=521BC05+MC2.20-X06	8		=521BC05+MO8-B4	x2	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO8PO1	H07RN-F G	4	2,5mm²		Travel drive 4

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Travel drive 4	=521BC05+MC2.20-X01	4		=521BC05+MO8-M2	U1	Travel drive 4
=	=521BC05+MC2.20-X01	5		=521BC05+MO8-M2	V1	=
=	=521BC05+MC2.20-X01	6		=521BC05+MO8-M2	W1	=
=	=521BC05+MC2.20-X01	PE		=521BC05+MO8-M2	PE	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO9CO1	H07RN-F G	5	1,5mm²		Power cable reeling drum

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Power cable reeling drum	=521BC05+MC1.91-X06	1		=521BC05+MO9-B1	T1	
=	=521BC05+MC1.91-X06	2		=521BC05+MO9-B1	T2	
=	=521BC05+MC1.91-X06	3		=521BC05+MO9-B2	T1	
=	=521BC05+MC1.91-X06	4		=521BC05+MO9-B2	T2	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO9CO3	H07RN-F G	3	1,5mm²		Power cable reeling drum

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Power cable reeling drum	=521BC05+MC1.91-X03	1		=521BC05+MO9-E1	L	
=	=521BC05+MC1.91-X03	2		=521BC05+MO9-E1	N	
=	=521BC05+MC1.91-X03	PE		=521BC05+MO9-E1	PE	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO9CO4	H07RN-F G	3	1,5mm²		Power cable reeling drum

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Power cable reeling drum	=521BC05+MC1.91-X03	3		=521BC05+MO9-E2	L	
=	=521BC05+MC1.91-X03	4		=521BC05+MO9-E2	N	
=	=521BC05+MC1.91-X03	PE		=521BC05+MO9-E2	PE	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO9PO1	H07RN-F G	4	2,5mm²		Power cable reeling drum

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Power cable reeling drum	=521BC05+MC1.91-X01	1		=521BC05+MO9-M9	U1	Power cable reeling drum
=	=521BC05+MC1.91-X01	2		=521BC05+MO9-M9	V1	=
=	=521BC05+MC1.91-X01	3		=521BC05+MO9-M9	W1	=
=	=521BC05+MC1.91-X01	PE		=521BC05+MO9-M9	PE	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
MO9PO2	RXG-8CSMNSHTÖU	3G	120mm²/+3G70/3mm³		Supply voltage 380V AC

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
	=521BC05+DS1-X	L1		=521BC05+MO9-X	L2	
	=521BC05+DS1-X	L2		=521BC05+MO9-X	L3	
	=521BC05+DS1-X	L3		=521BC05+MO9-X	L4	
	=521BC05+DS1-X	PEN		=521BC05+MO9-X	PEN	

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			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Cable diagram MO9PO2	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ Cable
			Appr	Dauterstedt				12344	Page 33 of 94
Modification	Date	Name	Original		Replacement of	Replaced by			158

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
RO1CO1	H07RN-F G	3	2,5mm²		Brake resistor

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Brake resistor	=521BC05+MC1.16-X03	3		=521BC05+ER-R01	T1	Brake resistor
=	=521BC05+MC1.16-X03	4		=521BC05+ER-R01	T2	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
RO1CO2	H07RN-F G	3	6mm²		Brake resistor

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
	=521BC05+MC1.16-G1	B+		=521BC05+ER-R01	R1	
	=521BC05+MC1.16-G1	B-		=521BC05+ER-R01	R2	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
RO2CO1	H07RN-F G	3	2,5mm²		Brake resistor

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Brake resistor	=521BC05+MC1.16-X03	7		=521BC05+ER-R02	T1	Brake resistor
=	=521BC05+MC1.16-X03	8		=521BC05+ER-R02	T2	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
RO2CO2	H07RN-F G	3	6mm²		Brake resistor

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
	=521BC05+MC1.16-G2	B+		=521BC05+ER-R02	R1	
	=521BC05+MC1.16-G2	B-		=521BC05+ER-R02	R2	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
RO3CO1	H07RN-F G	3	2,5mm²		Brake resistor

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Brake resistor	=521BC05+MC1.20-X03	3		=521BC05+ER-R03	T1	Brake resistor
=	=521BC05+MC1.20-X03	4		=521BC05+ER-R03	T2	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
RO3CO2	H07RN-F G	3	6mm²		Brake resistor

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
	=521BC05+MC1.20-G1	B+		=521BC05+ER-R03	R1	
	=521BC05+MC1.20-G1	B-		=521BC05+ER-R03	R2	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
RO4CO1	H07RN-F G	3	2,5mm²		Brake resistor

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Brake resistor	=521BC05+MC2.16-X03	3		=521BC05+ER-R04	T1	Brake resistor
=	=521BC05+MC2.16-X03	4		=521BC05+ER-R04	T2	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
RO4CO2	H07RN-F G	3	6mm²		Brake resistor

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
	=521BC05+MC2.16-G1	B+		=521BC05+ER-R04	R1	
	=521BC05+MC2.16-G1	B-		=521BC05+ER-R04	R2	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
RO5CO1	H07RN-F G	3	2,5mm²		Brake resistor

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Brake resistor	=521BC05+MC2.16-X03	7		=521BC05+ER-R05	T1	Brake resistor
=	=521BC05+MC2.16-X03	8		=521BC05+ER-R05	T2	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
RO5CO2	H07RN-F G	3	6mm²		Brake resistor

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
	=521BC05+MC2.16-G2	B+		=521BC05+ER-R05	R1	
	=521BC05+MC2.16-G2	B-		=521BC05+ER-R05	R2	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
RO6CO1	H07RN-F G	3	2,5mm²		Brake resistor

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Brake resistor	=521BC05+MC2.20-X03	3		=521BC05+ER-R06	T1	Brake resistor
=	=521BC05+MC2.20-X03	4		=521BC05+ER-R06	T2	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
RO6CO2	H07RN-F G	3	6mm²		Brake resistor

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
	=521BC05+MC2.20-G1	B+		=521BC05+ER-R06	R1	
	=521BC05+MC2.20-G1	B-		=521BC05+ER-R06	R2	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W1	H07RN-F G	3	2,5mm²		Walk way lights

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Walk way lights	=521BC05+MC1.03-X01	10		=521BC05+CK.03-E01	L	Walk way lights
=	=521BC05+MC1.03-X01	N		=521BC05+CK.03-E01	N	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W2	H07RN-F G	3	2,5mm²		Walk way lights

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Walk way lights	=521BC05+MC1.03-X01	11		=521BC05+CK.03-E02	L	Walk way lights
=	=521BC05+MC1.03-X01	N		=521BC05+CK.03-E02	N	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W3	H07RN-F G	3	2,5mm²		Walk way lights

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Walk way lights	=521BC05+MC1.03-X01	12		=521BC05+CK.03-E03	L	Walk way lights
=	=521BC05+MC1.03-X01	N		=521BC05+CK.03-E03	N	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W4	H07RN-F G	3	1,5mm²		Lighting local ON

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Lighting local ON	=521BC05+MC1.03-X01	13		=521BC05+CK.03-S01	13	Lighting local ON
=	=521BC05+MC1.03-X01	14		=521BC05+CK.03-S01	14	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W5	H07RN-F G	3	1,5mm²		Lighting local ON

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Lighting local ON	=521BC05+MC1.03-X01	15		=521BC05+CK.03-S02	13	Lighting local ON
=	=521BC05+MC1.03-X01	16		=521BC05+CK.03-S02	14	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W6	H07RN-F G	3	1,5mm²		Lighting local ON

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Lighting local ON	=521BC05+MC1.03-X01	17		=521BC05+CK.03-S05	13	Lighting local ON
=	=521BC05+MC1.03-X01	18		=521BC05+CK.03-S05	14	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W10	H07RN-F G	4	6mm²		Lighting transformer

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Lighting transformer	=521BC05+MC1.03-X01	4		=521BC05+ER-T1	1U1	Lighting transformer
=	=521BC05+MC1.03-X01	5		=521BC05+ER-T1	1V1	
=	=521BC05+MC1.03-X01	6		=521BC05+ER-T1	1W1	
=	=521BC05+MC1.03-X01	PE		PE		

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W11	H07RN-F G	5	6mm²		Lighting transformer

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Lighting transformer	=521BC05+MC1.03-X01	7		=521BC05+ER-T1	2U1	Lighting transformer
=	=521BC05+MC1.03-X01	8		=521BC05+ER-T1	2V1	
=	=521BC05+MC1.03-X01	9		=521BC05+ER-T1	2W1	
=	=521BC05+MC1.03-X01	N		=521BC05+ER-T1	N	
=	=521BC05+MC1.03-X01	PE		PE		

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W12	H07RN-F G	3	2,5mm²		Walk way lights

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Walk way lights	=521BC05+MC1.03-X01	26		=521BC05+CK.03-E04	L	Walk way lights
=	=521BC05+MC1.03-X01	N		=521BC05+CK.03-E04	N	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W13	H07RN-F G	3	2,5mm²		Walk way lights

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Walk way lights	=521BC05+MC1.03-X01	27		=521BC05+CK.03-E05	L	Walk way lights
=	=521BC05+MC1.03-X01	N		=521BC05+CK.03-E05	N	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W14	H07RN-F G	3	1,5mm²		Lighting local ON

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Lighting local ON	=521BC05+MC1.03-X01	29		=521BC05+CK.03-S03	13	Lighting local ON
=	=521BC05+MC1.03-X01	30		=521BC05+CK.03-S03	14	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W15	H07RN-F G	3	1,5mm²		Lighting local ON

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Lighting local ON	=521BC05+MC1.03-X01	31		=521BC05+CK.03-S04	13	Lighting local ON
=	=521BC05+MC1.03-X01	32		=521BC05+CK.03-S04	14	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W16	H07RN-F G	3	1,5mm²		Lighting local ON

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Lighting local ON	=521BC05+MC1.03-X01	33		=521BC05+CK.03-S06	13	Lighting local ON
=	=521BC05+MC1.03-X01	34		=521BC05+CK.03-S06	14	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W17	H07RN-F G	3	2,5mm²		Panel light and heater MC2

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Panel light and heater MC2	=521BC05+MC1.04-X01	1		=521BC05+MC2.04-X01	1	
=	=521BC05+MC1.04-X01	N		=521BC05+MC2.04-X01	N	
=	=521BC05+MC1.04-X01	PE		=521BC05+MC2.04-X01	PE	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W20	H07RN-F G	3	1,5		Misalignment front left

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Misalignment front left	=521BC05+MC1.16-X03	9		=521BC05+CK.16-B12	21	Misalignment front left
=	=521BC05+MC1.16-X03	10		=521BC05+CK.16-B12	22	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W21	H07RN-F G	3	1,5		Misalignment front right

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Misalignment front right	=521BC05+MC1.16-X03	11		=521BC05+CK.16-B11	21	
=	=521BC05+MC1.16-X03	12		=521BC05+CK.16-B11	22	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W22	H07RN-F G	5	1,5		Misalignment front right

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Misalignment front right	=521BC05+MC1.16-X03	13		=521BC05+CK.16-B31	P	
Belt is running right	=521BC05+MC1.16-X03	15		=521BC05+CK.16-B31	P	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W24	H07RN-F G	3	1,5		Misalignment rear left

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Misalignment rear left	=521BC05+MC2.16-X03	9		=521BC05+CK.16-B22	21	Misalignment rear left
=	=521BC05+MC2.16-X03	10		=521BC05+CK.16-B22	22	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W25	H07RN-F G	3	1,5		Misalignment rear right

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Misalignment rear right	=521BC05+MC2.16-X03	11		=521BC05+CK.16-B21	21	
=	=521BC05+MC2.16-X03	12		=521BC05+CK.16-B21	22	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W27	H07RN-F G	3	2,5		

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
			BN			
			BU			
			GNYE			
	=521BC05+MC1.06-X03.1	1		=521BC05+CK.06-MI1	L	
	=521BC05+MC1.06-X03.1	2		=521BC05+CK.06-MI1	N	
	=521BC05+MC1.06-X03.1	PE		=521BC05+CK.06-MI1	PE	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors		cross-section	cable length	function text
W28	Ethernet cable					

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
			1			
			2			
			3			
			4			
			5			
			6			
			7			
			8			
			9			
			SH			
	=521BC05+MC1.05-A42			=521BC05+CK.06-MI1	RJ45	

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			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Cable diagram W28	20.226 / 27/04/2010 / 12344	= 521BC05 + Cable
			Ed.	Schmidt					
			Appr	Dauterstedt					Page 67 of 94
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Cable diagram

Schade_1

Cable name	cable type	no. of conductors		cross-section	cable length	function text
W31	Sensor cable FDU					
function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
	=521BC05+MC1.20-X06	9		=521BC05+CK.20-B91	YE	
	=521BC05+MC1.20-X06	10		=521BC05+CK.20-B91	RD	
				=521BC05+CK.20-B91	BK	
	=521BC05+MC1.20-X06	11		=521BC05+CK.20-B91	BK	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W32	H07RN-F G	3	1,5mm²		Travel drive way end right

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Travel drive way end right	=521BC05+JB.20-X03	7		=521BC05+CK.20-B12	1	Travel drive way end right
=	=521BC05+JB.20-X03	8		=521BC05+CK.20-B12	2	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W33	H07RN-F G	3	1,5mm²		Travel drive way end left

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Travel drive way end left	=521BC05+JB.20-X03	9		=521BC05+CK.20-B22	1	Travel drive way end left
=	=521BC05+JB.20-X03	10		=521BC05+CK.20-B22	2	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W34	H07RN-F G	3	1,5mm²		Set point pile 1

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Set point pile 1	=521BC05+JB.20-X03	11		=521BC05+CK.20-B40	3	Set point pile 1
=	=521BC05+JB.20-X03	12		=521BC05+CK.20-B40	4	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W35	H07RN-F G	12	1,5mm²		Travel drive way end absolute right

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
	=521BC05+MC1.20-X03	1		=521BC05+JB.20-X03	1	
	=521BC05+MC1.20-X03	2		=521BC05+JB.20-X03	2	
Travel drive way end absolute right	=521BC05+MC1.20-X03	6		=521BC05+JB.20-X03	4	Travel drive way end absolute right
Travel drive way end absolute left	=521BC05+MC1.20-X03	8		=521BC05+JB.20-X03	6	Travel drive way end absolute left
Travel drive way end right	=521BC05+MC1.20-X03	10		=521BC05+JB.20-X03	8	Travel drive way end right
Travel drive way end left	=521BC05+MC1.20-X03	12		=521BC05+JB.20-X03	10	Travel drive way end left
Set point pile 1	=521BC05+MC1.20-X03	14		=521BC05+JB.20-X03	12	Set point pile 1

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W36	H07RN-F G	7	1,5mm²		Travel drive way end absolute right

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
	=521BC05+JB.20-X03	1		=521BC05+CK.20-B10	21	
	=521BC05+JB.20-X03	2		=521BC05+CK.20-B10	42	
Travel drive way end absolute right	=521BC05+JB.20-X03	3		=521BC05+CK.20-B10	13	Travel drive way end absolute right
=	=521BC05+JB.20-X03	4		=521BC05+CK.20-B10	14	=
Travel drive way end absolute left	=521BC05+JB.20-X03	6		=521BC05+CK.20-B10	34	Travel drive way end absolute left

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Cable diagram W36	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ Cable
			Appr	Dauterstedt				12344	Page 73 of 94
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Cable diagram

Schade_1

Cable name	cable type	no. of conductors		cross-section	cable length	function text
W37	RS_KA421					

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
	=521BC05+MC1.20-X05	1		=521BC05+CK.20-B31	2	
	=521BC05+MC1.20-X05	2		=521BC05+CK.20-B31	1	
Travel drive position	=521BC05+MC1.20-X05	3		=521BC05+CK.20-B31	7	Travel drive position
=	=521BC05+MC1.20-X05	4		=521BC05+CK.20-B31	3	
=	=521BC05+MC1.20-X05	5		=521BC05+CK.20-B31	6	
=	=521BC05+MC1.20-X05	6		=521BC05+CK.20-B31	4	
=	=521BC05+MC1.20-X05	7		=521BC05+CK.20-B31	5	
=	=521BC05+MC1.20-X05	8		=521BC05+CK.20-B31	8	
=	=521BC05+MC1.20-X05	9		=521BC05+CK.20-B31	10	
=	=521BC05+MC1.20-X05	10		=521BC05+CK.20-B31	9	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W45	H07RN-F G	5	1,5mm²		EMG stop push button 1

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
EMG stop push button 1	=521BC05+MC1.09-X03.1	3		=521BC05+CK.09-S51	11	EMG stop push button 1
=	=521BC05+MC1.09-X03.1	4		=521BC05+CK.09-S51	12	=
=	=521BC05+MC1.09-X03.1	PE		=521BC05+CK.09-S51	PE	
=	=521BC05+MC1.09-X03.1	21		=521BC05+CK.09-S51	31	EMG stop push button 1
=	=521BC05+MC1.09-X03.1	22		=521BC05+CK.09-S51	32	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W46	H07RN-F G	5	1,5mm²		EMG stop push button 2

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
EMG stop push button 2	=521BC05+MC1.09-X03.1	5		=521BC05+CK.09-S52	11	EMG stop push button 2
=	=521BC05+MC1.09-X03.1	6		=521BC05+CK.09-S52	12	=
=	=521BC05+MC1.09-X03.1	PE		=521BC05+CK.09-S52	PE	
=	=521BC05+MC1.09-X03.1	23		=521BC05+CK.09-S52	31	EMG stop push button 2
=	=521BC05+MC1.09-X03.1	24		=521BC05+CK.09-S52	32	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W47	H07RN-F G	5	1,5mm²		EMG stop push button 3

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
EMG stop push button 3	=521BC05+MC1.09-X03.1	7		=521BC05+CK.09-S53	11	EMG stop push button 3
=	=521BC05+MC1.09-X03.1	8		=521BC05+CK.09-S53	12	=
=	=521BC05+MC1.09-X03.1	PE		=521BC05+CK.09-S53	PE	
=	=521BC05+MC1.09-X03.1	25		=521BC05+CK.09-S53	31	EMG stop push button 3
=	=521BC05+MC1.09-X03.1	26		=521BC05+CK.09-S53	32	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W48	H07RN-F G	5	1,5mm²		EMG stop push button 4

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
EMG stop push button 4	=521BC05+MC1.09-X03.1	9		=521BC05+CK.09-S54	11	EMG stop push button 4
=	=521BC05+MC1.09-X03.1	10		=521BC05+CK.09-S54	12	=
=	=521BC05+MC1.09-X03.1	PE		=521BC05+CK.09-S54	PE	
=	=521BC05+MC1.09-X03.1	27		=521BC05+CK.09-S54	31	EMG stop push button 4
=	=521BC05+MC1.09-X03.1	28		=521BC05+CK.09-S54	32	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W50	H07RN-F G	5	1,5mm²		Pull rope 1 right

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Pull rope 1 right	=521BC05+MC1.09-X03.1	11		=521BC05+CK.09-B10	11	
=	=521BC05+MC1.09-X03.1	12		=521BC05+CK.09-B10	12	
=	=521BC05+MC1.09-X03.1	PE		=521BC05+CK.09-B10	PE	
=	=521BC05+MC1.09-X03.1	29		=521BC05+CK.09-B10	31	Pull rope 1 right
=	=521BC05+MC1.09-X03.1	30		=521BC05+CK.09-B10	32	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W51	H07RN-F G	5	1,5mm²		Pull rope 2 right

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Pull rope 2 right	=521BC05+MC1.09-X03.1	13		=521BC05+CK.09-B15	11	
=	=521BC05+MC1.09-X03.1	14		=521BC05+CK.09-B15	12	
=	=521BC05+MC1.09-X03.1	PE		=521BC05+CK.09-B15	PE	
=	=521BC05+MC1.09-X03.1	31		=521BC05+CK.09-B15	31	Pull rope 2 right
=	=521BC05+MC1.09-X03.1	32		=521BC05+CK.09-B15	32	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W52	H07RN-F G	5	1,5mm²		Pull rope 1 left

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Pull rope 1 left	=521BC05+MC1.09-X03.1	15		=521BC05+CK.09-B20	11	
=	=521BC05+MC1.09-X03.1	16		=521BC05+CK.09-B20	12	
=	=521BC05+MC1.09-X03.1	PE		=521BC05+CK.09-B20	PE	
=	=521BC05+MC1.09-X03.1	33		=521BC05+CK.09-B20	31	Pull rope 1 left
=	=521BC05+MC1.09-X03.1	34		=521BC05+CK.09-B20	32	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W53	H07RN-F G	5	1,5mm²		Pull rope 2 left

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Pull rope 2 left	=521BC05+MC1.09-X03.1	17		=521BC05+CK.09-B25	11	
=	=521BC05+MC1.09-X03.1	18		=521BC05+CK.09-B25	12	
=	=521BC05+MC1.09-X03.1	PE		=521BC05+CK.09-B25	PE	
=	=521BC05+MC1.09-X03.1	35		=521BC05+CK.09-B25	31	Pull rope 2 left
=	=521BC05+MC1.09-X03.1	36		=521BC05+CK.09-B25	32	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W56	H07RN-F G	12	1,5mm²		Travel drive way end absolute right

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
	=521BC05+MC2.20-X03	1		=521BC05+JB.21-X03	1	
	=521BC05+MC2.20-X03	2		=521BC05+JB.21-X03	2	
Travel drive way end absolute right	=521BC05+MC2.20-X03	6		=521BC05+JB.21-X03	4	Travel drive way end absolute right
Travel drive way end absolute left	=521BC05+MC2.20-X03	8		=521BC05+JB.21-X03	6	Travel drive way end absolute left
Travel drive way end right	=521BC05+MC2.20-X03	10		=521BC05+JB.21-X03	8	Travel drive way end right
Travel drive way end left	=521BC05+MC2.20-X03	12		=521BC05+JB.21-X03	10	Travel drive way end left
Set point pile 2	=521BC05+MC2.20-X03	14		=521BC05+JB.21-X03	12	Set point pile 2

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W57	H07RN-F G	7	1,5mm²		Travel drive way end absolute right

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
	=521BC05+JB.21-X03	1		=521BC05+CK.21-B10	21	
	=521BC05+JB.21-X03	2		=521BC05+CK.21-B10	42	
Travel drive way end absolute right	=521BC05+JB.21-X03	3		=521BC05+CK.21-B10	13	Travel drive way end absolute right
=	=521BC05+JB.21-X03	4		=521BC05+CK.21-B10	14	=
Travel drive way end absolute left	=521BC05+JB.21-X03	6		=521BC05+CK.21-B10	34	Travel drive way end absolute left

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Cable diagram W57	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ Cable
			Appr	Dauterstedt				12344	Page 84 of 94
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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W58	H07RN-F G	3	1,5mm²		Travel drive way end right

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Travel drive way end right	=521BC05+JB.21-X03	7		=521BC05+CK.21-B12	1	Travel drive way end right
=	=521BC05+JB.21-X03	8		=521BC05+CK.21-B12	2	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W59	H07RN-F G	3	1,5mm²		Travel drive way end left

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Travel drive way end left	=521BC05+JB.21-X03	9		=521BC05+CK.21-B22	1	Travel drive way end left
=	=521BC05+JB.21-X03	10		=521BC05+CK.21-B22	2	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W60	H07RN-F G	3	1,5mm²		Set point pile 2

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Set point pile 2	=521BC05+JB.21-X03	11		=521BC05+CK.21-B40	3	Set point pile 2
=	=521BC05+JB.21-X03	12		=521BC05+CK.21-B40	4	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors		cross-section	cable length	function text
W65	Sensor cable FDU					
function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
	=521BC05+MC2.20-X06	9		=521BC05+CK.20-B93	YE	
	=521BC05+MC2.20-X06	10		=521BC05+CK.20-B93	RD	
				=521BC05+CK.20-B93	BK	
	=521BC05+MC2.20-X06	11		=521BC05+CK.20-B93	BK	

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W79	H07RN-F G	7	1,5mm²		Tight cable power reeling right

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Tight cable power reeling right	=521BC05+MC1.91-X03	9		=521BC05+JB.91-X03	1	Tight cable power reeling right
=	=521BC05+MC1.91-X03	10		=521BC05+JB.91-X03	2	=
Tight cable power reel left	=521BC05+MC1.91-X03	12		=521BC05+JB.91-X03	4	Tight cable power reel left
Slack cable power reel right	=521BC05+MC1.91-X03	14		=521BC05+JB.91-X03	6	Slack cable power reel right
=	=521BC05+MC1.91-X03	16		=521BC05+JB.91-X03	8	=

Wondershare PDFelement

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W80	H07RN-F G	5	1,5mm²		Last winding power reeling

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Last winding power reeling	=521BC05+MC1.91-X03	5		=521BC05+CK.91-B10	1	Last winding power reeling
=	=521BC05+MC1.91-X03	6		=521BC05+CK.91-B10	2	=
Middle pass over power reeling	=521BC05+MC1.91-X03	7		=521BC05+CK.91-B15	3	Middle pass over power reeling
=	=521BC05+MC1.91-X03	8		=521BC05+CK.91-B15	4	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W81	PVC	2	0,5mm²		Tight cable power reeling right

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Tight cable power reeling right	=521BC05+JB.91-X03	1		=521BC05+CK.91-B11	BN	Tight cable power reeling right
=	=521BC05+JB.91-X03	2		=521BC05+CK.91-B11	BU	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W82	PVC	2	0,5mm²		Tight cable power reel left

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Tight cable power reel left	=521BC05+JB.91-X03	3		=521BC05+CK.91-B21	BN	Tight cable power reel left
=	=521BC05+JB.91-X03	4		=521BC05+CK.91-B21	BU	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W83	PVC	2	0,5mm²		Slack cable power reel right

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Slack cable power reel right	=521BC05+JB.91-X03	5		=521BC05+CK.91-B16	BN	Slack cable power reel right
=	=521BC05+JB.91-X03	6		=521BC05+CK.91-B16	BU	=

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Cable diagram

Schade_1

Cable name	cable type	no. of conductors	cross-section	cable length	function text
W84	PVC	2	0,5mm²		Slack cable power reel right

function text	Target designation from	Connection point	conductor	Target designation to	Connection point	function text
Slack cable power reel right	=521BC05+JB.91-X03	7		=521BC05+CK.91-B26	BN	
=	=521BC05+JB.91-X03	8		=521BC05+CK.91-B26	BU	

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Terminal diagram

F13_001

Strip =521BC05+CLIENT-X

function text								Cable name / cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name / cable type					Page / column
									L1	5	L2	•								+MC1.01/1.4
									L2	5	L3	•								+MC1.01/1.4
									L3	5	L4	•								+MC1.01/1.4
									PE	5	PE	•								+MC1.01/1.4

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Terminal diagram

F13_001

Strip

=521BC05+DS1-X

function text	Cable name	cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	cable type	Cable name	MO9PO2	RXG-8C3MNSHT0U	Page / column
			-Q1	1	L1	,	+MO9-X	L2					+MC1.01/1.3
			-Q1	3	L2	,	+MO9-X	L3					+MC1.01/1.3
			-Q1	5	L3	,	+MO9-X	L4					+MC1.01/1.3
			PE	4	PEN	,	+MO9-X	PEN					+MC1.01/1.3

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Terminal diagram

F13_001

Strip =521BC05+MC1.01-X01

Cables: MC2P01 (H07RN-F G), MC2P02 (H07RN-F G)

function text	Target designation	Connection point	terminal	jumper	Target designation	Connection point	Page / column
380V AC to MC2	L1		7	•	-Q5	2	/3.7
	+MC2.16-Q10	1					
380V AC to MC2	L2		8	•	-Q5	4	/3.7
	+MC2.16-Q10	3					
380V AC to MC2	L3		9	•	-Q5	6	/3.7
	+MC2.16-Q10	5					
	+MC2.02-X01	1	1	•	-Q4	2	/2.1
	-S1	1	4	•	-Q1	2	/2.3
	+MC2.02-X01	2	2	•	-Q4	4	/2.1
voltage measuring inside panel door	-S1	7	5	•	-Q1	4	/2.3
	+MC2.02-Q3	5	3	•	-Q4	6	/2.1
voltage measuring inside panel door	-S1	5	6	•	-Q1	6	/2.3

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Terminal diagram

F13_001

function text									Cable name	Strip =521BC05+MC1.01-X02					Cable name					Page / column
									cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	cable type					
current measuring inside panel door										-P2	1	1	,	-T1	k						/3.3
=										-P2	2	2	,	-T1	l						/3.3
=										-P3	1	3	,	-T2	k						/3.4
=										-P3	2	4	,	-T2	l						/3.4
=										-P4	1	5	,	-T3	k						/3.5
=										-P4	2	6	,	-T3	l						/3.5

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Terminal diagram =521BC05+MC1.01-X02	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ Clamps
			Appr	Dauterstedt				12344	Page 4 of 44
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Terminal diagram

F13_001

function text	Cable name	cable type	Strip =521BC05+MC1.02-X03 Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name	cable type	Page / column
Belt drive			+.16-X03	2	1		-X03.1	3			/3.1
=			+.16-X03	6	2						/3.3
Travel drive			+.20-F31	A2	3						/3.5
Cable reeling drum			+.91-X03	2	4		+.06-X03.1	2			/3.6

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Terminal diagram

F13_001

function text	Cable name	cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name	cable type	Page / column
			Strip =521BC05+MC1.02-X03.1								
Undervoltage coil			+.01-A1	X2	1		-Q2	6			/2.1
CPU			+.05-A40	N	2						/2.2
Emergency stop					3		-X03	1			/2.4

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Terminal diagram

F13_001

function text	Cable name	cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name	cable type	Page / column
			Strip =521BC05+MC1.02-X05								
control voltage 24V DC MC1			+.01-Q3	HS3	1		-F21	1			/5.1
			+.01-Q3	HS3							
control voltage 24V DC MC1			+.09-S1	11	2						/5.2
=			+.01-K01	A2	3		-XT02	1			/5.2
			+.01-K01	A2							
control voltage 24V DC MC1			+.09-S2	x2	4						/5.2
			+.09-S2	x2							
supply ET200S			+.05-A00	1M	5		PE				/5.3
			+.05-A00	1M							
external voltage to frequency converters			+.16-G1	2	6						/5.5
			+.16-G1	2							
external voltage to frequency converters			+.05-A42	24-	7						/5.7
=					PE		PE				/5.7

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Terminal diagram =521BC05+MC1.02-X05
			Ed.	Schmidt			
			Appr	Dauterstedt			
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20.226	= 521BC05		
27/04/2010	+ Clamps		
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Terminal diagram

F13_001

Strip

=521BC05+MC2.02-X01

function text	MC2P01	Cable name	Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name	Page / column
	H07RN-F 6	cable type							cable type	
			+MC1.01-X01	1	1	,	-Q1	1		/1.0
			+MC1.01-X01	2	2	,	-Q1	3		/1.1

Wondershare PDFelement

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Terminal diagram

F13_001

Strip

=521BC05+MC2.02-X03

function text	Cable name	cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	cable type	Cable name	Page / column
Belt drive			+.16-X03	2	1		-Q2	6			/2.1
=			+.16-X03	6	2						/2.3
Travel drive			+.20-F31	A2	3						/2.5

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			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Terminal diagram =521BC05+MC2.02-X03	20.226 / 27/04/2010 / 12344	= 521BC05 / + Clamps / Page 9 of 44 / 228
			Ed.	Schmidt					
			Appr	Dauterstedt					
Modification	Date	Name	Original		Replacement of	Replaced by			

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Terminal diagram

F13_001

function text	Cable name	cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name	cable type	Page / column
			Strip =521BC05+MC2.02-X05								
control voltage 24V DC MC2			-Q1	13	1		-F21	1			/4.1
=			-K01	A2	2		-XT02	1			/4.1
supply ET200S			+.05-A00	1M	3						/4.3
external voltage to frequency converters			+.16-G1	2	4						/4.5
Spare					5		-F25	1			/4.7
=					6						/4.8
=					PE		PE				/4.8
							PE				

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Terminal diagram =521BC05+MC2.02-X05	20.226 / 27/04/2010 / 12344	= 521BC05 / + Clamps / Page 10 of 44 / 229
			Ed.	Schmidt					
			Appr	Dauterstedt					
Modification	Date	Name	Original		Replacement of	Replaced by			

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Terminal diagram

F13_001

function text	W6	W5	W4	W3	W2	W1	W11	W10	Cable name	Strip =521BC05+MC1.03-X01 Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name	Page / column
	H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	cable type							cable type	
Spare												1	,	-Q1	2		/1.1
=												2	,	-Q1	4		/1.1
=												3	,	-Q1	6		/1.2
Lighting transformer										+ER-T1	1U1	4	,	-Q2	2		/1.3
=										+ER-T1	1V1	5	,	-Q2	4		/1.3
=										+ER-T1	1W1	6	,	-Q2	6		/1.3
=										+ER-T1	2U1	7	,	-Q3	1		/1.5
=										+ER-T1	2V1	8	,	-Q3	3		/1.5
=										+ER-T1	2W1	9	,	-Q3	5		/1.5
Walk way lights										+CK.03-E01	L	10	,	-K1	2		/2.0
=										+CK.03-E02	L	11	,	-K1	4		/2.2
=										+CK.03-E03	L	12	,	-K1	6		/2.3
Lighting local ON										+CK.03-S01	13	13		-F4	1		/2.4
=										+CK.03-S01	14	14					/2.4
=										+CK.03-S02	13	15					/2.5
=										+CK.03-S02	14	16					/2.5
=										+CK.03-S05	13	17					/2.6
=										+CK.03-S05	14	18					/2.6
=												19					/2.7
=												20		-K1	A1		/2.7
												21	,	-F5	1		/3.1
												22	,	-F6	1		/3.2
												23	,	-F7	1		/3.3
												24	,	-F7	3		/3.3
												25	,	-F7	5		/3.3

Wondershare PDFelement

10 11.a

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	Terminal diagram =521BC05+MC1.03-X01	20.226 / 27/04/2010 / 12344
			Ed.	Schmidt			= 521BC05 / + Clamps
			Appr	Dauterstedt			Page 11 of 44 / 230
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Wondershare PDFelement

Terminal diagram

F13_001

function text	W2	W1	W11	W16	W15	W14	W13	W12	Cable name	Strip =521BC05+MC1.03-X01 Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name					Page / column
	H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	cable type							cable type					
Walk way lights										+CK.03-E04	L	26		-K2	2						/4.1
=										+CK.03-E05	L	27		-K2	4						/4.2
=												28		-K2	6						/4.3
Lighting local ON										+CK.03-S03	13	29		-F11	1						/4.4
=										+CK.03-S03	14	30									/4.4
=										+CK.03-S04	13	31									/4.5
=										+CK.03-S04	14	32									/4.5
=										+CK.03-S06	13	33									/4.6
=										+CK.03-S06	14	34									/4.6
=												35									/4.7
=												36		-K2	A1						/4.7
Lighting transformer										+ER-T1	N	N									/1.6
Walk way lights										+CK.03-E01	N	N									/2.1
=										+CK.03-E02	N	N									/2.2

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Terminal diagram

F13_001

function text				W11	W10	W13	W12	W3	Cable name	Strip =521BC05+MC1.03-X01 Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name					Page / column
				H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	cable type							cable type					
Walk way lights										+CK.03-E03	N	N		-K1	A2						/2.3
												N		-K1	A2						/3.1
														-K1	A2						
												N									/3.2
												N									/3.4
Walk way lights										+CK.03-E04	N	N									/4.1
=										+CK.03-E05	N	N									/4.2
=												N		-K2	A2						/4.3
Spare												PE		-X01	PE						/1.2
Lighting transformer										PE	PE	PE		-X01	PE						/1.4
														-X01	PE						
Lighting transformer										PE		PE		-X01	PE						/1.6
Walk way lights												PE		-X01	PE						/2.1
=												PE		-X01	PE						/2.2
														-X01	PE						
Walk way lights												PE		-X01	PE						/2.3
														-X01	PE						
Lighting local ON												PE		-X01	PE						/2.4
														-X01	PE						
Lighting local ON												PE		-X01	PE						/2.5
														-X01	PE						
Lighting local ON												PE		-X01	PE						/2.6
														-X01	PE						
Lighting local ON												PE		-X01	PE						/2.8
												PE		-X01	PE						/3.1
												PE		-X01	PE						/3.2
														-X01	PE						
												PE		-X01	PE						/3.4
Walk way lights												PE		-X01	PE						/4.1
=												PE		-X01	PE						/4.2
														-X01	PE						
Walk way lights												PE		-X01	PE						/4.3
														-X01	PE						
Lighting local ON												PE		-X01	PE						/4.4
														-X01	PE						

Wondershare PDFelement

11.a 11.c

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Terminal diagram

F13_001

function text	Cable name	cable type	Strip =521BC05+MC1.03-X01 Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name	cable type	Page / column
Lighting local ON					PE	,	-X01	PE			/4.5
							-X01	PE			
Lighting local ON					PE	,	-X01	PE			/4.6
							-X01	PE			
Lighting local ON					PE	,	-X01	PE			/4.7

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Terminal diagram =521BC05+MC1.03-X01	20.226 / 27/04/2010 / 12344	= 521BC05 + Clamps
			Ed.	Schmidt					Page 11.c of 44
			Appr	Dauterstedt					233
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Terminal diagram

F13_001

function text								W17	Cable name	Strip =521BC05+MC1.04-X01					Cable name						Page / column
								H07RN-F 6	cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	cable type					
Panel light and heater MC2										+MC2.04-X01	1	1		-F1	1						/1.0
Panel light												2		-S01	3						/1.2
Panel heater										-E01	1	4		-S01	1						/1.6
Panel fan										-M01	L	5		-S02	4						/1.8
Panel light and heater MC2										+MC2.04-X01	N	N		+.03-K2	A2						/1.0
=												N									/1.1
Panel heater												N		-E01	2						/1.6
Panel fan												N		-M01	N						/1.8
Panel light and heater MC2										+MC2.04-X01	PE	PE		PE							/1.1
														-X01	PE						
Panel light and heater MC2										-X01	PE	PE									/1.1
										-X01	PE										
Panel heater										-X01	PE	PE		-E01	PE						/1.7
										-X01	PE										
Panel fan										-X01	PE	PE		-M01	PE						/1.8
										PE											

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Terminal diagram =521BC05+MC1.04-X01	20.226 / = 521BC05
			Ed.	Schmidt				27/04/2010 / + Clamps
			Appr	Dauterstedt				12344 / Page 12 of 44
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Terminal diagram

F13_001

Strip =521BC05+MC2.04-X01

function text	W17 / H07RN-F G	Cable name / cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name / cable type	Page / column
			+MC1.04-X01	1	1					/1.0
Panel light					2		-S01	3		/1.2
Panel heater			-E01	1	4		-S01	1		/1.6
Panel fan			-M01	L	5		-S02	4		/1.8
			+MC1.04-X01	N	N					/1.0
					N					/1.1
Panel heater					N		-E01	2		/1.6
Panel fan					N		-M01	N		/1.8
			+MC1.04-X01	PE	PE		PE			/1.1
							-X01	PE		
			-X01	PE	PE					/1.1
			-X01	PE						
Panel heater			-X01	PE	PE		-E01	PE		/1.6
			-X01	PE						
Panel fan			-X01	PE	PE		-M01	PE		/1.8
			PE							

Modification	Date	Name		
			Date	20.10.2010
			Ed.	Schmidt
			Appr	Dauterstedt
			Original	

Belt Conveyor 521 BC 05
Tonasa

Replacement of · Replaced by

SCHADE AUMUND GROUP

Terminal diagram =521BC05+MC2.04-X01

20.226 · = 521BC05
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Terminal diagram

F13_001

function text								W27	Cable name	Strip =521BC05+MC1.06-X03.1						Cable name					Page / column
								H07RN-F 6	cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	cable type					
										+CK.06-MI1	L	1	,	+.02-F3	1						/1.2
										+CK.06-MI1	N	2	,	+.02-X03	4						/1.2
										+CK.06-MI1	PE	PE	,	PE							/1.2
														PE							

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			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Terminal diagram =521BC05+MC1.06-X03.1	20.226 = 521BC05
			Ed.	Schmidt				27/04/2010 + Clamps
			Appr	Dauterstedt				12344 Page 14 of 44
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Terminal diagram

F13_001

function text	W53	W52	W51	W50	W48	W47	W46	W45	Cable name	Strip =521BC05+MC1.09-X03.1 Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name	W45	W46	W47	W48	Page / column
	H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	cable type							cable type	H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	
EMG push button Panel door										-S50	11	1		-K01	Y11						/2.1
=										-S50	12	2									/2.1
EMG stop push button 1										+CK.09-S51	11	3									/2.2
=										+CK.09-S51	12	4									/2.2
EMG stop push button 2										+CK.09-S52	11	5									/2.4
=										+CK.09-S52	12	6									/2.4
EMG stop push button 3										+CK.09-S53	11	7									/2.5
=										+CK.09-S53	12	8									/2.5
EMG stop push button 4										+CK.09-S54	11	9									/2.6
=										+CK.09-S54	12	10									/2.6
Pull rope 1 right										+CK.09-B10	11	11									/3.3
=										+CK.09-B10	12	12									/3.3
Pull rope 2 right										+CK.09-B15	11	13									/3.4
=										+CK.09-B15	12	14									/3.4
Pull rope 1 left										+CK.09-B20	11	15									/3.5
=										+CK.09-B20	12	16									/3.5
Pull rope 2 left										+CK.09-B25	11	17									/3.6
=										+CK.09-B25	12	18									/3.6
=												19									/3.7
=												20		-K01	Y12						/3.7
EMG stop push button 1										+CK.09-S51	31	21									/4.1
=										-K61	A1	22		+CK.09-S51	32						/4.1
EMG stop push button 2										+CK.09-S52	31	23									/4.2
=										-K62	A1	24		+CK.09-S52	32						/4.2
EMG stop push button 3										+CK.09-S53	31	25									/4.3
=										-K63	A1	26		+CK.09-S53	32						/4.3
EMG stop push button 4										+CK.09-S54	31	27									/4.4
=										-K64	A1	28		+CK.09-S54	32						/4.4
Pull rope 1 right										+CK.09-B10	31	29									/4.5

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Terminal diagram =521BC05+MC1.09-X03.1	20.226 / = 521BC05
			Ed.	Schmidt				27/04/2010 / + Clamps
			Appr	Dauterstedt				12344 / Page 15 of 44
Modification	Date	Name	Original		Replacement of	Replaced by		237

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Terminal diagram

F13_001

function text	W50	W48	W47	W46	W45	W53	W52	W51	Cable name	Strip =521BC05+MC1.09-X03.1 Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name	W50	W51	W52	W53	Page / column
	H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	cable type							cable type	H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	
Pull rope 1 right										-K65	A1	30	,	+CK.09-B10	32						/4.5
Pull rope 2 right										+CK.09-B15	31	31	,								/4.6
=										-K66	A1	32	,	+CK.09-B15	32						/4.6
Pull rope 1 left										+CK.09-B20	31	33	,								/4.7
=										-K67	A1	34	,	+CK.09-B20	32						/4.7
Pull rope 2 left										+CK.09-B25	31	35	,								/4.8
=										-K68	A1	36	,	+CK.09-B25	32						/4.8
EMG stop push button 1										+CK.09-S51	PE	PE	,	PE							/2.3
														-X03.1	PE						
EMG stop push button 2										+CK.09-S52	PE	PE	,	-X03.1	PE						/2.4
														-X03.1	PE						
EMG stop push button 3										+CK.09-S53	PE	PE	,	-X03.1	PE						/2.5
														-X03.1	PE						
EMG stop push button 4										+CK.09-S54	PE	PE	,	-X03.1	PE						/2.6
														PE							
Pull rope 1 right										+CK.09-B10	PE	PE	,	PE							/3.3
														-X03.1	PE						
Pull rope 2 right										+CK.09-B15	PE	PE	,	-X03.1	PE						/3.4
														-X03.1	PE						
Pull rope 1 left										+CK.09-B20	PE	PE	,	-X03.1	PE						/3.5
														-X03.1	PE						
Pull rope 2 left										+CK.09-B25	PE	PE	,	-X03.1	PE						/3.7
														-X03.1	PE						
Pull rope 2 left												PE	,	-X03.1	PE						/3.8
														PE							

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Terminal diagram =521BC05+MC1.09-X03.1	20.226 = 521BC05
			Ed.	Schmidt				27/04/2010 + Clamps
			Appr	Dauterstedt				12344 Page 15.a of 44
Modification	Date	Name	Original		Replacement of	Replaced by		238

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Terminal diagram

F13_001

function text									Cable name	Strip =521BC05+MC1.09-X5.1						Cable name					Page / column
									cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	cable type					
												1	,	+MC2.16-X5.1	1						+MC2.16/3.1
										-K37	24	2	,	+MC2.16-G1	7						+MC2.16/3.1
												3	,	+MC2.16-X5.1	3						+MC2.16/8.1
												4	,	+MC2.16-X5.1	4						+MC2.16/8.1
												5	,	+MC2.20-X5.1	1						+MC2.20/3.1
												6	,	+MC2.20-X5.1	2						+MC2.20/3.1

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			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Terminal diagram =521BC05+MC1.09-X5.1
			Ed.	Schmidt			
			Appr	Dauterstedt			
Modification	Date	Name	Original		Replacement of	Replaced by	

20.226	= 521BC05		
27/04/2010	+ Clamps		
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			239

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Terminal diagram

F13_001

function text	Cable name	cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name	cable type	Page / column
			Strip =521BC05+MC1.09-X05								
Manual mode selected			+.05-A05	2	1	,	-S1	12			/7.1
Automatic mode selected			+.05-A05	6	2	,	-S1	14			/7.2
Control ON			+.05-A06	1	3	,	-S2	14			/7.3
Control OFF			+.05-A06	5	4	,	-S3	12			/7.4
Lamptest			+.05-A06	2	5	,	-S4	14			/7.5
=			-K36	A1	6	,	-S5	14			/7.6
Signallamp Control ON			-S2	x1	7	,	+.05-A21	6			/8.2
Signallamp Control OFF			-S3	x1	8	,	+.05-A22	1			/8.4
Signallamp Automatic mode ON			-H2	x1	9	,	+.05-A22	5			/8.5
Centralized fault indication			-H1	x1	10	,	+.05-A22	2			/8.6
Signallamp Reset			-S5	x1	11	,	+.05-A22	6			/8.6

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Terminal diagram

F13_001

function text									Cable name	Strip =521BC05+MC1.16-16/-X05					Cable name					Page / column
									cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	cable type					
Stop pile 1										+.05-A12	1	1	,	-16-S30	12						/13.1
Start pile 1										+.05-A12	5	2	,	-16-S31	14						/13.2
Signallamp Start pile 1										-16-S31	x1	3	,	+.05-A24	6						/13.3
Stop pile 2										+.05-A12	2	4	,	-16-S40	12						/13.6
Start pile 2										+.05-A12	6	5	,	-16-S41	14						/13.7
Signallamp Start pile 2										-16-S41	x1	6	,	+.05-A27	1						/13.8
Belt drve OFF										+.05-A17	5	7	,	-16-S20	12						/14.1
Belt drive right ON										+.05-A17	2	8	,	-16-S21	14						/14.2
Belt drive left ON										+.05-A17	6	9	,	-16-S22	14						/14.3
Signallamp Belt drive right ON										-16-S21	x1	10	,	+.05-A27	2						/14.6

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Terminal diagram

F13_001

Strip

=521BC05+MC1.16-X01

function text					MO2PO2 H07RN-F G	MO2PO1 H07RN-F G	MO1PO2 H07RN-F G	MO1PO1 H07RN-F G	Cable name cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name cable type					Page / column
Motor 1 Belt drive										+MO1-M1	U1	1	,	-L12	U						/1.1
=										+MO1-M1	V1	2	,	-L12	V						/1.1
=										+MO1-M1	W1	3	,	-L12	W						/1.1
=										+MO1-Q1	L~	4	,	-Q7	2						/1.7
=												5	,								/1.7
=										+MO1-Q1	N	6	,	-Q7	6						/1.7
Motor 2 Belt drive										+MO2-M2	U1	7	,	-L22	U						/6.1
=										+MO2-M2	V1	8	,	-L22	V						/6.1
=										+MO2-M2	W1	9	,	-L22	W						/6.1
=										+MO2-Q2	L~	10	,	-Q8	2						/6.7
=												11	,								/6.7
=										+MO2-Q2	N	12	,	-Q8	6						/6.8
Motor 1 Belt drive										+MO1-M1	PE	PE	,	PE							/1.2
														-X06	PE						
Motor 1 Belt drive										+MO1-Q1	PE	PE	,	-X03	PE						/1.8
														PE							
Motor 2 Belt drive										+MO2-M2	PE	PE	,	PE							/6.2
														-X06	PE						
Motor 2 Belt drive										+MO2-Q2	PE	PE	,								/6.8

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Terminal diagram =521BC05+MC1.16-X01	20.226 = 521BC05
			Ed.	Schmidt				27/04/2010 + Clamps
			Appr	Dauterstedt				12344 Page 19 of 44
Modification	Date	Name	Original		Replacement of	Replaced by		242

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Terminal diagram

F13_001

function text		W22	W21	W20	RO2CO1	MO2CO3	RO1CO1	MO1CO3	Cable name	Strip =521BC05+MC1.16-X03 Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name	W20	W21			Page / column
		H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	cable type							cable type	H07RN-F G	H07RN-F G			
Motor 1 Belt drive										+MO1-E1	L	1	,	-K11	14						/1.6
=										+MO1-E1	N	2	,	+.02-X03	1						/1.6
														-F31	A2						
Brake resistor										+ER-R01	T1	3	,	-Q70	13						/3.4
														-Q70	13						
Brake resistor										+ER-R01	T2	4	,	-K41	A1						/3.4
Motor 2 Belt drive										+MO2-E2	L	5	,	-K12	14						/6.6
=										+MO2-E2	N	6	,	+.02-X03	2						/6.6
														-F32	A2						
Brake resistor										+ER-R02	T1	7	,	-Q71	13						/8.4
=										+ER-R02	T2	8	,	-K42	A1						/8.4
Misalignment front left										+CK.16-B12	21	9	,								/11.1
=										-K61	A1	10	,	+CK.16-B12	22						/11.1
Misalignment front right										+CK.16-B11	21	11	,								/11.3
=										-K62	A1	12	,	+CK.16-B11	22						/11.3
=										+CK.16-B31	P	13	,								/11.6
Belt is running right										-K63	A1	14	,								/11.6
=										+CK.16-B31	P	15	,								/11.6
Belt is running left										-K64	A1	16	,								/11.7
Motor 1 Belt drive										+MO1-E1	PE	PE	,	-X06	PE						/1.6
														-X01	PE						
Brake resistor												PE	,	PE							/3.5
														PE							
Motor 2 Belt drive										+MO2-E2	PE	PE	,	-X06	PE						/6.6
														PE							
Brake resistor												PE	,	PE							/8.5
														PE							

Wondershare PDFelement

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Terminal diagram

F13_001

Strip

=521BC05+MC1.16-X05

function text	Cable name	cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	cable type	Cable name	Page / column
Signallamp Belt drive left ON			-16-S22	x1	11	,	+.05-A27	6			/14.7

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Terminal diagram

F13_001

Strip

=521BC05+MC1.16-X06

function text							M02C01 H07RN-F G	M01C01 H07RN-F G	Cable name cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name cable type					Page / column
Motor 1 Belt drive										+MO1-B1	T1	1									/1.3
=										+MO1-B1	T2	2		-F31	1T1						/1.3
=										+MO1-B2	T1	3		-F31	2T1						/1.3
=										+MO1-B2	T2	4		-F31	T2						/1.4
Motor 2 Belt drive										+MO2-B3	T1	5									/6.3
=										+MO2-B3	T2	6		-F32	1T1						/6.3
=										+MO2-B4	T1	7		-F32	2T1						/6.3
=										+MO2-B4	T2	8		-F32	T2						/6.4
Motor 1 Belt drive												PE		-X01	PE						/1.4
														-X03	PE						
Motor 2 Belt drive												PE		-X01	PE						/6.4
														-X03	PE						

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Terminal diagram =521BC05+MC1.16-X06	20.226 = 521BC05
			Ed.	Schmidt				27/04/2010 + Clamps
			Appr	Dauterstedt				12344 Page 22 of 44
Modification	Date	Name	Original		Replacement of	Replaced by		245

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Wondershare PDFelement

Terminal diagram

F13_001

function text					MO6PO2	MO6PO1	MO5PO2	MO5PO1	Cable name	Strip =521BC05+MC2.16-X01 Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name					Page / column
					H07RN-F G	H07RN-F G	H07RN-F G	H07RN-F G	cable type							cable type					
Motor 3 Belt drive										+MO5-M1	U1	1	,	-L12	U						/1.1
=										+MO5-M1	V1	2	,	-L12	V						/1.1
=										+MO5-M1	W1	3	,	-L12	W						/1.1
=										+MO5-Q1	L~	4	,	-Q7	2						/1.7
=												5	,								/1.7
=										+MO5-Q1	N	6	,	-Q7	6						/1.7
Motor 4 Belt drive										+MO6-M2	U1	7	,	-L22	U						/6.1
=										+MO6-M2	V1	8	,	-L22	V						/6.1
=										+MO6-M2	W1	9	,	-L22	W						/6.1
=										+MO6-Q2	L~	10	,	-Q8	2						/6.7
=												11	,								/6.7
=										+MO6-Q2	N	12	,	-Q8	6						/6.8
Motor 3 Belt drive										+MO5-M1	PE	PE	,	PE							/1.2
														-X06	PE						
Motor 3 Belt drive										+MO5-Q1	PE	PE	,	-X03	PE						/1.8
														PE							
Motor 4 Belt drive										+MO6-M2	PE	PE	,	PE							/6.2
														-X06	PE						
Motor 4 Belt drive										+MO6-Q2	PE	PE	,								/6.8

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Terminal diagram

F13_001

function text			W25 H07RN-F G	W24 H07RN-F G	R05C01 H07RN-F G	M06C03 H07RN-F G	R04C01 H07RN-F G	M05C03 H07RN-F G	Cable name cable type	Strip =521BC05+MC2.16-X03 Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name cable type	W24 H07RN-F G	W25 H07RN-F G			Page / column
Motor 3 Belt drive										+MO5-E1	L	1	,	-K11	14						/1.6
=										+MO5-E1	N	2	,	+.02-X03	1						/1.6
														-F31	A2						
														-F31	A2						
Brake resistor										+ER-R04	T1	3	,	-Q70	13						/3.4
														-Q70	13						
Brake resistor										+ER-R04	T2	4	,	-K41	A1						/3.4
Motor 4 Belt drive										+MO6-E2	L	5	,	-K12	14						/6.6
=										+MO6-E2	N	6	,	+.02-X03	2						/6.6
														-F32	A2						
														-F32	A2						
Brake resistor										+ER-R05	T1	7		-Q71	13						/8.4
=										+ER-R05	T2	8	,	-K42	A1						/8.4
Misalignment rear left										+CK.16-B22	21	9									/11.1
=										-K61	A1	10	,	+CK.16-B22	22						/11.1
Misalignment rear right										+CK.16-B21	21	11									/11.3
=										-K62	A1	12	,	+CK.16-B21	22						/11.3
=										+CK.16-B32	P	13									/11.6
Belt is running right										-K63	A1	14	,								/11.6
=																					
Belt is running left										-K64	A1	16	,								/11.7
Motor 3 Belt drive										+MO5-E1	PE	PE	,	-X06	PE						/1.6
														-X01	PE						
Brake resistor												PE	,	PE							/3.5
														PE							
Motor 4 Belt drive										+MO6-E2	PE	PE	,	-X06	PE						/6.6
														PE							
Brake resistor												PE	,	PE							/8.5
														PE							

Wondershare PDFelement

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Terminal diagram

F13_001

Strip

=521BC05+MC2.16-X5.1

function text	Cable name / cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name / cable type	Page / column
		+MC1.09-X5.1	1	1	•				/3.1
				2	•				/3.1
		+MC1.09-X5.1	3	3	•				/8.1
		+MC1.09-X5.1	4	4	•				/8.1

Wondershare PDFelement

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Terminal diagram

F13_001

function text							MO6C01	MO5C01	Cable name	Strip =521BC05+MC2.16-X06					Cable name					Page / column
							H07RN-F 6	H07RN-F 6	cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	cable type					
Motor 3 Belt drive										+MO5-B1	T1	1								/1.3
=										+MO5-B1	T2	2		-F31	1T1					/1.3
														-F31	1T1					
Motor 3 Belt drive										+MO5-B2	T1	3		-F31	2T1					/1.3
														-F31	2T1					
Motor 3 Belt drive										+MO5-B2	T2	4		-F31	T2					/1.4
														-F31	T2					
Motor 4 Belt drive										+MO6-B3	T1	5								/6.3
=										+MO6-B3	T2	6		-F32	1T1					/6.3
														-F32	1T1					
Motor 4 Belt drive										+MO6-B4	T1	7		-F32	2T1					/6.3
														-F32	2T1					
Motor 4 Belt drive										+MO6-B4	T2	8		-F32	T2					/6.4
														-F32	T2					
Motor 3 Belt drive												PE		-X01	PE					/1.4
														-X03	PE					
Motor 4 Belt drive												PE		-X01	PE					/6.4
														-X03	PE					

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Terminal diagram =521BC05+MC2.16-X06	20.226 = 521BC05
			Ed.	Schmidt				27/04/2010 + Clamps
			Appr	Dauterstedt				12344 Page 26 of 44
Modification	Date	Name	Original		Replacement of	Replaced by		249

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Terminal diagram

F13_001

function text									Cable name	Strip =521BC05+MC1.20-20/-X05						Cable name					Page / column
									cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	cable type					
Travel drive OFF										+.05-A16	2	11	,	-20-S30	12						/10.1
Travel drive right ON										+.05-A16	6	12	,	-20-S31	14						/10.2
Travel drive left ON										+.05-A17	1	13	,	-20-S32	14						/10.4
Signallamp Travel drive right ON										-20-S31	x1	14	,	+.05-A25	2						/10.6

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Wondershare PDFelement

Terminal diagram

F13_001

function text							MO4PO1	MO3PO1	Cable name	Strip =521BC05+MC1.20-X01					Cable name					Page / column
							H07RN-F G	H07RN-F G	cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	cable type					
Travel drive 1										+MO3-M3	U1	1	,	-Q11	2						/1.1
=										+MO3-M3	V1	2	,	-Q11	4						/1.1
=										+MO3-M3	W1	3	,	-Q11	6						/1.1
Travel drive 2										+MO4-M4	U1	4	,	-Q12	2						/1.4
=										+MO4-M4	V1	5	,	-Q12	4						/1.5
=										+MO4-M4	W1	6	,	-Q12	6						/1.5
Travel drive 1										+MO3-M3	PE	PE	,	PE							/1.1
														-X06	PE						
Travel drive 2										+MO4-M4	PE	PE	,	-X06	PE						/1.5
														-X06	PE						

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Terminal diagram =521BC05+MC1.20-X01	20.226 / 27/04/2010 / 12344	= 521BC05 + Clamps
			Ed.	Schmidt					Page 28 of 44
			Appr	Dauterstedt					251
Modification	Date	Name	Original		Replacement of	Replaced by			

Remove Watermark Wondershare PDFelement

Terminal diagram

F13_001

Strip

=521BC05+MC1.20-X03

function text							RO3CO1 H07RN-F G	W35 H07RN-F G	Cable name / cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name / cable type	W35 H07RN-F G				Page / column
										+JB.20-X03	1	1		-K01	14						/2.7
														-K33	11						
										-Q1	A1	2		+JB.20-X03	2						/2.7
Brake resistor										+ER-R03	T1	3		-Q10	13						/3.4
														-A01	1						
Brake resistor										+ER-R03	T2	4		-K41	A1						/3.4
												5		-A01	1						/8.1
Travel drive way end absolute right										-K61	A1	6		+JB.20-X03	4						/8.1
=												7									/8.2
Travel drive way end absolute left										-K62	A1	8		+JB.20-X03	6						/8.2
=												9									/8.3
Travel drive way end right										-K63	A1	10		+JB.20-X03	8						/8.3
=												11									/8.5
Travel drive way end left										-K64	A1	12		+JB.20-X03	10						/8.5
=												13									/8.6
Set point pile 1										-K65	A1	14		+JB.20-X03	12						/8.6
Brake resistor												PE		PE							/3.5
														PE							

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Wondershare PDFelement

Terminal diagram

F13_001

function text	Cable name	cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name	cable type	W37	RS_K4421	Page / column
			Strip =521BC05+MC1.20-X05										
			+.05-A31	3	1	,	+CK.20-B31	2					/9.2
			+.05-A31	2	2	,	+CK.20-B31	1					/9.2
Travel drive position			+.05-A31	8	3	,	+CK.20-B31	7					/9.2
=			+.05-A31	4	4	,	+CK.20-B31	3					/9.3
=			+.05-A31	5	5	,	+CK.20-B31	6					/9.3
=			+.05-A31	1	6	,	+CK.20-B31	4					/9.4
=			+.05-A25	5	7	,	+CK.20-B31	5					/9.4
=					8	,	+CK.20-B31	8					/9.4
=					9	,	+CK.20-B31	10					/9.5
=					10	,	+CK.20-B31	9					/9.5
Signallamp Travel drive left ON			-20-S32	x1	15	,	+.05-A25	6					/10.7
Nulljustage Resatron			-T12	L+	16	,							/9.5
			+.91-Q10	21									

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Terminal diagram =521BC05+MC1.20-X05
			Ed.	Schmidt			
			Appr	Dauterstedt			
Modification	Date	Name	Original		Replacement of	Replaced by	

20.226	= 521BC05		
27/04/2010	+ Clamps		
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			253

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Terminal diagram

F13_001

function text						W31	MO4C01	MO3C01	Cable name	Strip =521BC05+MC1.20-X06					Cable name					Page / column
						Sensor cable FDU	H07RN-F G	H07RN-F G	cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	cable type				
Travel drive 1										+MO3-B1	x1	1								/1.2
=										+MO3-B1	x2	2		-F31	1T1					/1.2
=										+MO3-B2	x1	3		-F31	T2					/1.2
=										+MO3-B2	x2	4		-F31	2T1					/1.3
Travel drive 2										+MO4-B3	x1	5								/1.6
=										+MO4-B3	x2	6		-F32	1T1					/1.6
=										+MO4-B4	x1	7		-F32	T2					/1.6
=										+MO4-B4	x2	8		-F32	2T1					/1.6
										+CK.20-B91	YE	9		-A01	9					/7.3
										+CK.20-B91	RD	10		-A01	11					/7.3
										+CK.20-B91	BK	11		-A01	10					/7.3
Travel drive 1												PE		-X01	PE					/1.3
														-X01	PE					
Travel drive 2												PE		-X01	PE					/1.7
														PE						

Wondershare PDFelement

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Terminal diagram

F13_001

function text							MO8P01	MO7P01	Cable name	Strip =521BC05+MC2.20-X01					Cable name					Page / column
							H07RN-F 6	H07RN-F 6	cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	cable type					
Travel drive 3										+MO7-M1	U1	1	,	-Q11	2						/1.1
=										+MO7-M1	V1	2	,	-Q11	4						/1.1
=										+MO7-M1	W1	3	,	-Q11	6						/1.1
Travel drive 4										+MO8-M2	U1	4	,	-Q12	2						/1.4
=										+MO8-M2	V1	5	,	-Q12	4						/1.5
=										+MO8-M2	W1	6	,	-Q12	6						/1.5
Travel drive 3										+MO7-M1	PE	PE	,	PE							/1.1
														-X06	PE						
Travel drive 4										+MO8-M2	PE	PE	,	-X06	PE						/1.5
														-X06	PE						

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Terminal diagram =521BC05+MC2.20-X01	20.226 = 521BC05
			Ed.	Schmidt				27/04/2010 + Clamps
			Appr	Dauterstedt				12344 Page 32 of 44
Modification	Date	Name	Original		Replacement of	Replaced by		255

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Terminal diagram

F13_001

Strip
=521BC05+MC2.20-X03

function text	RO6C01 H07RN-F G	W56 H07RN-F G	Cable name / cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name / cable type	W56 H07RN-F G	Page / column
				+JB.21-X03	1	1		-K01	14			/2.7
								-K33	11			
				-Q1	A1	2		+JB.21-X03	2			/2.7
Brake resistor				+ER-R06	T1	3		-Q10	13			/3.4
								-A01	1			
Brake resistor				+ER-R06	T2	4		-K41	A1			/3.4
						5		-A01	1			/8.1
Travel drive way end absolute right				-K61	A1	6		+JB.21-X03	4			/8.1
=						7						/8.2
Travel drive way end absolute left				-K62	A1	8		+JB.21-X03	6			/8.2
=						9						/8.3
Travel drive way end right				-K63	A1	10		+JB.21-X03	8			/8.3
=						11						/8.5
Travel drive way end left				-K64	A1	12		+JB.21-X03	10			/8.5
=						13						/8.6
Set point pile 2				-K65	A1	14		+JB.21-X03	12			/8.6
Brake resistor						PE		PE				/3.5
								PE				

Modification	Date	Name					
Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Terminal diagram =521BC05+MC2.20-X03 =521BC05+MC2.20-X03	20.226	= 521BC05	
Ed.	Schmidt				27/04/2010	+ Clamps	
Appr	Dauterstedt				12344	Page 33 of 44	
Original		Replacement of	Replaced by				256

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Terminal diagram

F13_001

Strip

=521BC05+MC2.20-X5.1

function text	Cable name	cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	cable type	Cable name	Page / column
			+MC1.09-X5.1	5	1	,					/3.1
			+MC1.09-X5.1	6	2	,					/3.1

Wondershare PDFelement

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Terminal diagram

F13_001

Strip =521BC05+MC2.20-X06

function text	W65 / Sensor cable FDU	MO8CO1 / H07RN-F G	MO7CO1 / H07RN-F G	Cable name / cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name / cable type	Page / column
Travel drive 3					+MO7-B1	x1	1					/1.2
=					+MO7-B1	x2	2		-F31	1T1		/1.2
=					+MO7-B2	x1	3		-F31	T2		/1.2
=					+MO7-B2	x2	4		-F31	2T1		/1.3
Travel drive 4					+MO8-B3	x1	5					/1.6
=					+MO8-B3	x2	6		-F32	1T1		/1.6
=					+MO8-B4	x1	7		-F32	T2		/1.6
=					+MO8-B4	x2	8		-F32	2T1		/1.6
					+CK.20-B93	YE	9		-A01	9		/7.2
					+CK.20-B93	RD	10		-A01	11		/7.3
					+CK.20-B93	BK	11		-A01	10		/7.3
Travel drive 3							PE		-X01	PE		/1.3
									-X01	PE		
Travel drive 4							PE		-X01	PE		/1.7
									PE			

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Terminal diagram

F13_001

function text								M09P01	Cable name	Strip =521BC05+MC1.91-X01					Cable name						Page / column
								H07RN-F 6	cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	cable type					
Power cable reeling drum										+MO9-M9	U1	1	,	-Q1	2						/1.1
=										+MO9-M9	V1	2	,	-Q1	4						/1.1
=										+MO9-M9	W1	3	,	-Q1	6						/1.1
=										+MO9-M9	PE	PE	,	PE							/1.1
														-X06	PE						

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Terminal diagram =521BC05+MC1.91-X01	20.226 / = 521BC05
			Ed.	Schmidt				27/04/2010 / + Clamps
			Appr	Dauterstedt				12344 / Page 36 of 44
Modification	Date	Name	Original		Replacement of	Replaced by		259

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Wondershare PDFelement

Terminal diagram

F13_001

function text					W79 H07RN-F G	W80 H07RN-F G	M09C04 H07RN-F G	M09C03 H07RN-F G	Cable name cable type	Strip =521BC05+MC1.91-X03 Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name cable type	W80 H07RN-F G	W79 H07RN-F G			Page / column
Power cable reeling drum										+MO9-E1	L	1	,	-K02	14						/1.6
=										+MO9-E1	N	2	,	+.02-X03	4						/1.7
=										+MO9-E2	L	3	,	-K03	14						/1.8
=										+MO9-E2	N	4	,	-F31	A2						/1.8
														-F31	A2						
Last winding power reeling										+CK.91-B10	1	5	,	-Q10	13						/4.1
=										-K61	A1	6	,	+CK.91-B10	2						/4.1
Middle pass over power reeling										+CK.91-B15	3	7	,								/4.2
=										-K62	A1	8	,	+CK.91-B15	4						/4.2
Tight cable power reeling right										+JB.91-X03	1	9	,								/4.4
=										-K63	A1	10	,	+JB.91-X03	2						/4.4
Tight cable power reel left												11	,								/4.5
=										-K64	A1	12	,	+JB.91-X03	4						/4.5
Slack cable power reel right												13	,								/4.6
=										-K65	A1	14	,	+JB.91-X03	6						/4.6
=												15	,								/4.8
=										-K66	A1	16	,	+JB.91-X03	8						/4.8
Power cable reeling drum										+MO9-E1	PE	PE	,	-X06	PE						/1.7
														-X03	PE						
Power cable reeling drum										+MO9-E2	PE	PE	,	-X03	PE						/1.8
														PE							

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			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Terminal diagram =521BC05+MC1.91-X03	20.226 = 521BC05
			Ed.	Schmidt				27/04/2010 + Clamps
			Appr	Dauterstedt				12344 Page 37 of 44
Modification	Date	Name	Original		Replacement of	Replaced by		260

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Wondershare PDFelement

Terminal diagram

F13_001

function text								M09C01	Cable name	Strip =521BC05+MC1.91-X06					Cable name					Page / column
								H07RN-F 6	cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	cable type				
Power cable reeling drum										+MO9-B1	T1	1								/1.3
=										+MO9-B1	T2	2		-F31	1T1					/1.3
														-F31	1T1					
Power cable reeling drum										+MO9-B2	T1	3		-F31	T2					/1.3
														-F31	T2					
Power cable reeling drum										+MO9-B2	T2	4		-F31	2T1					/1.3
														-F31	2T1					
Power cable reeling drum												PE		-X01	PE					/1.4
														-X03	PE					

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			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Terminal diagram =521BC05+MC1.91-X06	20.226	= 521BC05
			Ed.	Schmidt				27/04/2010	+ Clamps
			Appr	Dauterstedt				12344	Page 38 of 44
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Terminal diagram

F13_001

Strip =521BC05+JB.20-X03

function text	W34 H07RN-F G	W35 H07RN-F G	W36 H07RN-F G	Cable name / cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name / cable type	W35 H07RN-F G	W36 H07RN-F G	W34 H07RN-F G	Page / column
					+CK.20-B10	21	1		+MC1.20-X03	1					+MC1.20/2.7
					+MC1.20-X03	2	2		+CK.20-B10	42					+MC1.20/2.7
Travel drive way end absolute right					+CK.20-B10	13	3								+MC1.20/8.1
=					+MC1.20-X03	6	4		+CK.20-B10	14					+MC1.20/8.1
Travel drive way end absolute left							5								+MC1.20/8.2
=					+MC1.20-X03	8	6		+CK.20-B10	34					+MC1.20/8.2
Travel drive way end right							7								+MC1.20/8.3
=					+MC1.20-X03	10	8								+MC1.20/8.3
Travel drive way end left							9								+MC1.20/8.5
=					+MC1.20-X03	12	10								+MC1.20/8.5
Set point pile 1					+CK.20-B40	3	11								+MC1.20/8.6
=					+MC1.20-X03	14	12		+CK.20-B40	4					+MC1.20/8.6

			Date	20.10.2010	Belt Conveyor 521 BC 05	SCHADE AUMUND GROUP	Terminal diagram =521BC05+JB.20-X03	20.226 / = 521BC05
			Ed.	Schmidt	Tonasa			27/04/2010 / + Clamps
			Appr	Dauterstedt				12344 / Page 39 of 44
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Terminal diagram

F13_001

Strip =521BC05+MC2-02-X01

function text								Cable name / cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name / cable type					Page / column
												.								+SIN/5.1

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Terminal diagram

F13_001

				W84	W83	W82	W79	W81	Cable name	Strip =521BC05+JB.91-X03					Cable name	W79	W81	W82	W83	
				PVC	PVC	PVC	H07RN-F G	PVC	cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	cable type	H07RN-F G	PVC	PVC	PVC	Page / column
Tight cable power reeling right										+CK.91-B11	BN	1		+MC1.91-X03	9						+MC1.91/4.4
=										+MC1.91-X03	10	2		+CK.91-B11	BU						+MC1.91/4.4
Tight cable power reel left										+CK.91-B21	BN	3									+MC1.91/4.5
=										+MC1.91-X03	12	4		+CK.91-B21	BU						+MC1.91/4.5
Slack cable power reel right										+CK.91-B16	BN	5									+MC1.91/4.6
=										+MC1.91-X03	14	6		+CK.91-B16	BU						+MC1.91/4.6
=										+CK.91-B26	BN	7									+MC1.91/4.8

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Terminal diagram =521BC05+JB.91-X03	20.226 / 27/04/2010 / 12344	= 521BC05 / + Clamps / Page 41 of 44 / 264
			Ed.	Schmidt					
			Appr	Dauterstedt					
Modification	Date	Name	Original		Replacement of	Replaced by			

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Terminal diagram

F13_001

function text								W79	Cable name	Strip =521BC05+JB.91-X03						Cable name	W84					Page / column
								H07RN-F G	cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	cable type	PVC					
Slack cable power reel right										+MC1.91-X03	16	8	,	+CK.91-B26	BU							+MC1.91/4.8

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Terminal diagram =521BC05+JB.91-X03
			Ed.	Schmidt			
			Appr	Dauterstedt			
Modification	Date	Name	Original		Replacement of	Replaced by	

20.226	= 521BC05	
27/04/2010	+ Clamps	
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Wondershare PDFelement

Terminal diagram

F13_001

function text						W60	W56	W57	Cable name	Strip =521BC05+JB.21-X03 Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name	W56	W57	W60		Page / column
						H07RN-F G	H07RN-F G	H07RN-F G	cable type							cable type	H07RN-F G	H07RN-F G	H07RN-F G		
										+CK.21-B10	21	1	,	+MC2.20-X03	1						+MC2.20/2.7
										+MC2.20-X03	2	2	,	+CK.21-B10	42						+MC2.20/2.7
Travel drive way end absolute right										+CK.21-B10	13	3									+MC2.20/8.1
=										+MC2.20-X03	6	4	,	+CK.21-B10	14						+MC2.20/8.1
Travel drive way end absolute left												5									+MC2.20/8.2
=										+MC2.20-X03	8	6	,	+CK.21-B10	34						+MC2.20/8.2
Travel drive way end right												7									+MC2.20/8.3
=										+MC2.20-X03	10	8	,								+MC2.20/8.3
Travel drive way end left												9									+MC2.20/8.5
=										+MC2.20-X03	12	10	,								+MC2.20/8.5
Set point pile 2										+CK.21-B40	3	11									+MC2.20/8.6
=										+MC2.20-X03	14	12	,	+CK.21-B40	4						+MC2.20/8.6

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Terminal diagram =521BC05+JB.21-X03	20.226 / 27/04/2010 / 12344	= 521BC05 / + Clamps / Page 42 of 44 / 266
			Ed.	Schmidt					
			Appr	Dauterstedt					
Modification	Date	Name	Original		Replacement of	Replaced by			

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Terminal diagram

F13_001

function text								MO9PO2	Cable name	Strip =521BC05+MO9-X Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name	MC1PO1				Page / column
								RXG-8C3MNSHT0U	cable type							cable type	RXG-8C3MNSHT0U				
										+DS1-X	L1	L2	,	L1	3						+MC1.01/1.3
										+DS1-X	L2	L3	,	L2	3						+MC1.01/1.3
										+DS1-X	L3	L4	,	L3	3						+MC1.01/1.3
										+DS1-X	PEN	PEN	,	+MC1.01-PE	3						+MC1.01/1.3

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05 Tonasa	SCHADE AUMUND GROUP	Terminal diagram =521BC05+MO9-X	20.226 / 27/04/2010 / 12344
			Ed.	Schmidt				= 521BC05
			Appr	Dauterstedt				+ Clamps
Modification	Date	Name	Original		Replacement of	Replaced by		Page 43 of 44 / 267

Remove Watermark Wondershare PDFelement

0	1	2	3	4	5	6	7

Terminal diagram

F13_001

Strip

=+

function text									Cable name / cable type	Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name / cable type					Page / column
												1	•								=521BC05+MC2.02/1.1

Wondershare PDFelement

			Date	20.10.2010	Belt Conveyor 521 BC 05	SCHADE AUMUND GROUP	Terminal diagram =+	20.226	= 521BC05
			Ed.	Schmidt	Tonasa			27/04/2010	+ Clamps
			Appr	Dauterstedt				12344	Page 44 of 44
Modification	Date	Name	Original		Replacement of	Replaced by			268