

KKT chillers

Stromlaufplan

wiring diagram

UL Verdrahtung
UL wiring

Projekt project	909070-00249 ab 9070756	
Anlage / Typ sub-group / type	cBoxX 70	
Änderung / change	Datum / Date	Name / Editor
-20F1 und -20F2 --> 3RV2011-1HA10 --> 5,5-8A	01.07.2016	rze

drawn with ELCAD (R)

Alle Leitungen ohne Querschnittsangabe sind H05V-K 0,75 mm²
All lines without cross-sectional specification are H05V-K 0,75 mm²

Achtung !
Vor Inbetriebnahme - alle Schrauben an Schützen , Klemmen , Relais und Reglern nachziehen.

Attention
before first initial operation starting - tighten all screws on contactors , relais , terminals and controller.

Netzspannung / line	460V (±10% / 3~ / PE / 60Hz)
Schutzart / protection class	IP 54
Steuerspannung / control voltage	24V / DC
Anschlußleistung / connected load	ca. 29 kW / 35 kVA
Stromaufnahme / max. current	ca. 45 A
Vorsicherung / max. overcurrent protective device (OCP)	80 A
max. Einschaltstrom / inrush amps	117 A

Drahtfarben / colors of wiring :

Hauptstromkreise / main power : schwarz / black

Schutzleiter / protective conductor : grün-gelb / green-yellow

Steuerspannung / control voltage 24VDC+ : dunkelblau / darkblue

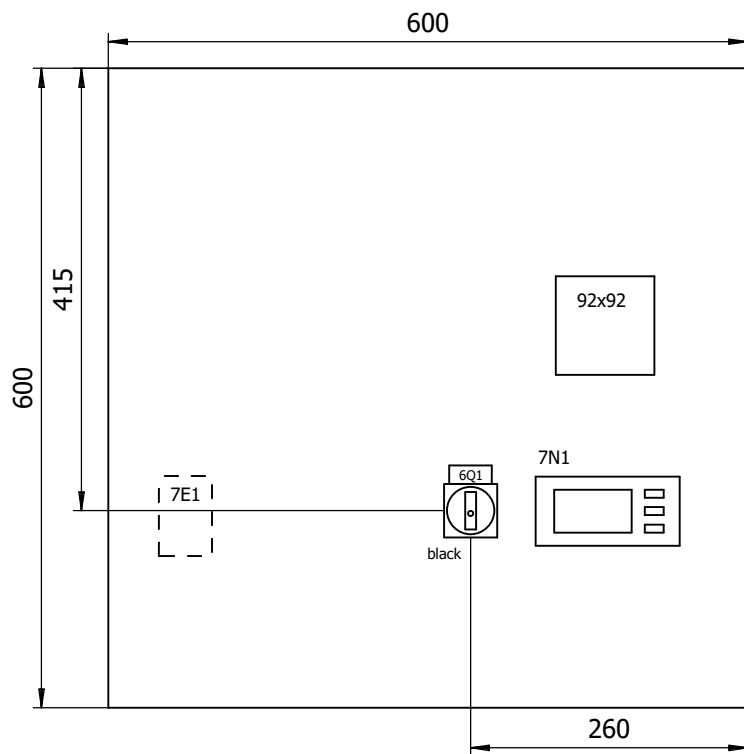
Steuerspannung / control voltage 24VDC- : dunkelblau-weiß / darkblue-white

Fühlerleitung / sensor conductor: weiß / white

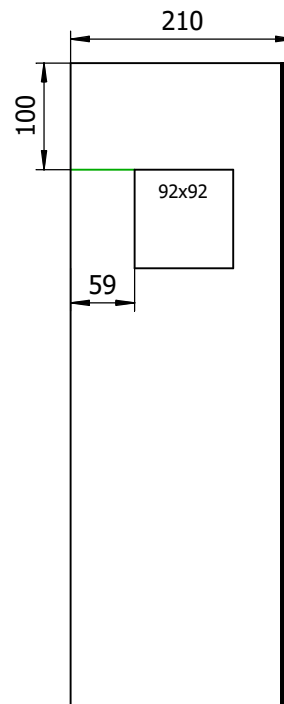
Pot.-freie Verdrahtung / wiring without potential : orange / orange

drawn with ELCAD (R)

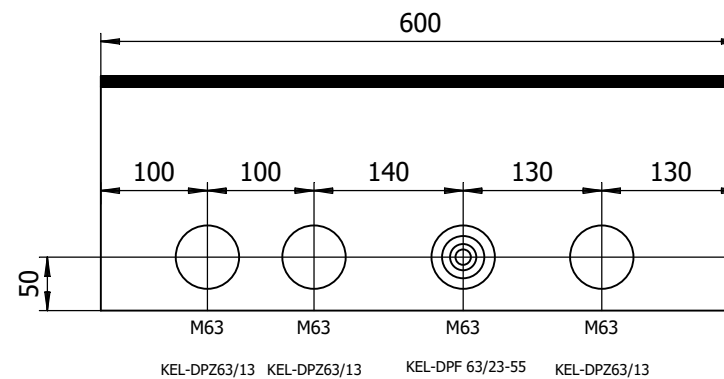
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Ansicht Frontseite
view front



Ansicht links
view left



Ansicht unten
view down

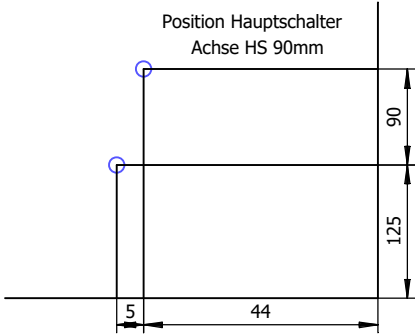
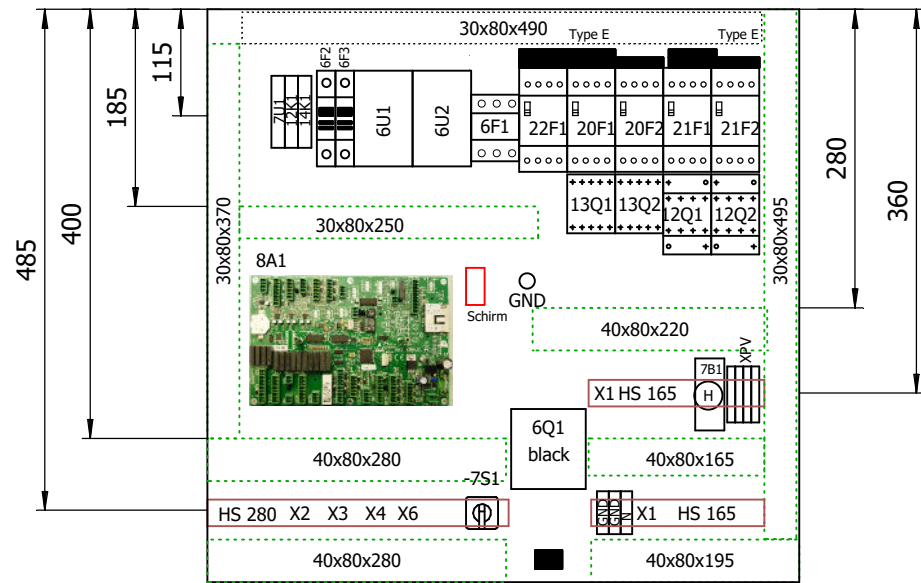
Gehäuse / Cabinet
600x600x210
Farbe / color : RAL 7016-301
Schilder / label : deutsch / englisch

Alle Maße in mm

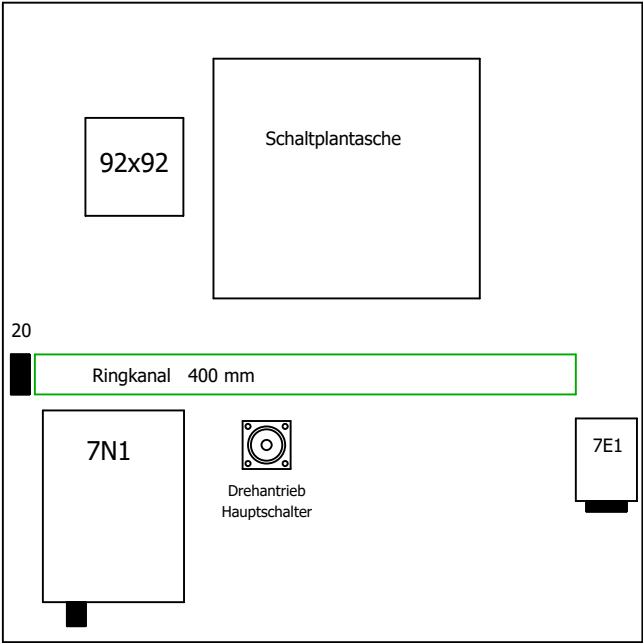
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c			date	06.07.2016	KKT chillers - a brand of ait - deutschland GmbH		construction plan cBoxX 70 GES.CBX070J.27	909070-00249 ab 9070756		
b			editor	R.Zeilmann						
a			check							
change	date	name	norm		replacement by:	replacement for:	origin: KKT	Ansicht / view		sheet 3 sh. 24



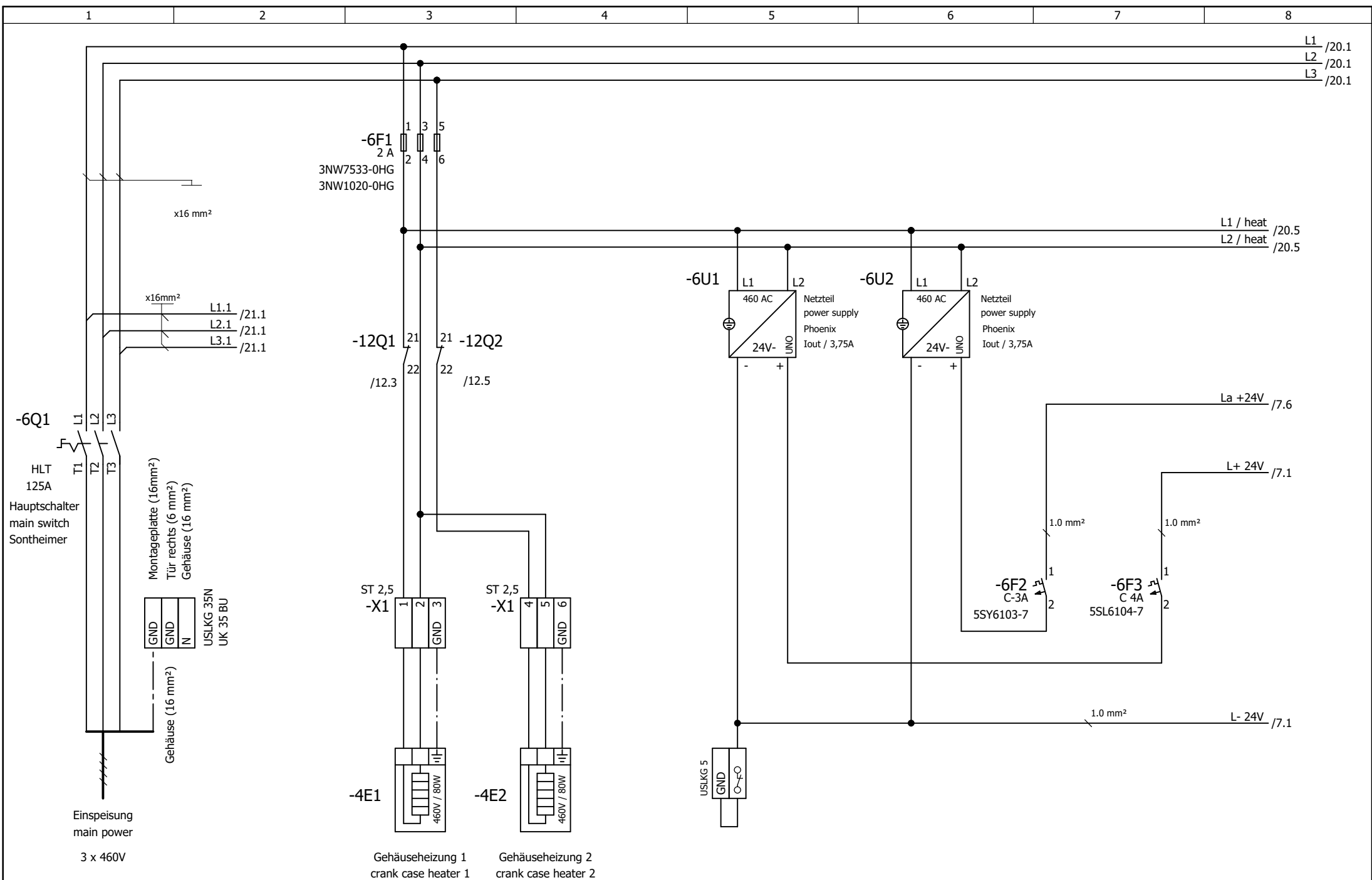
Aufbau Montageplatte
view mounting plate



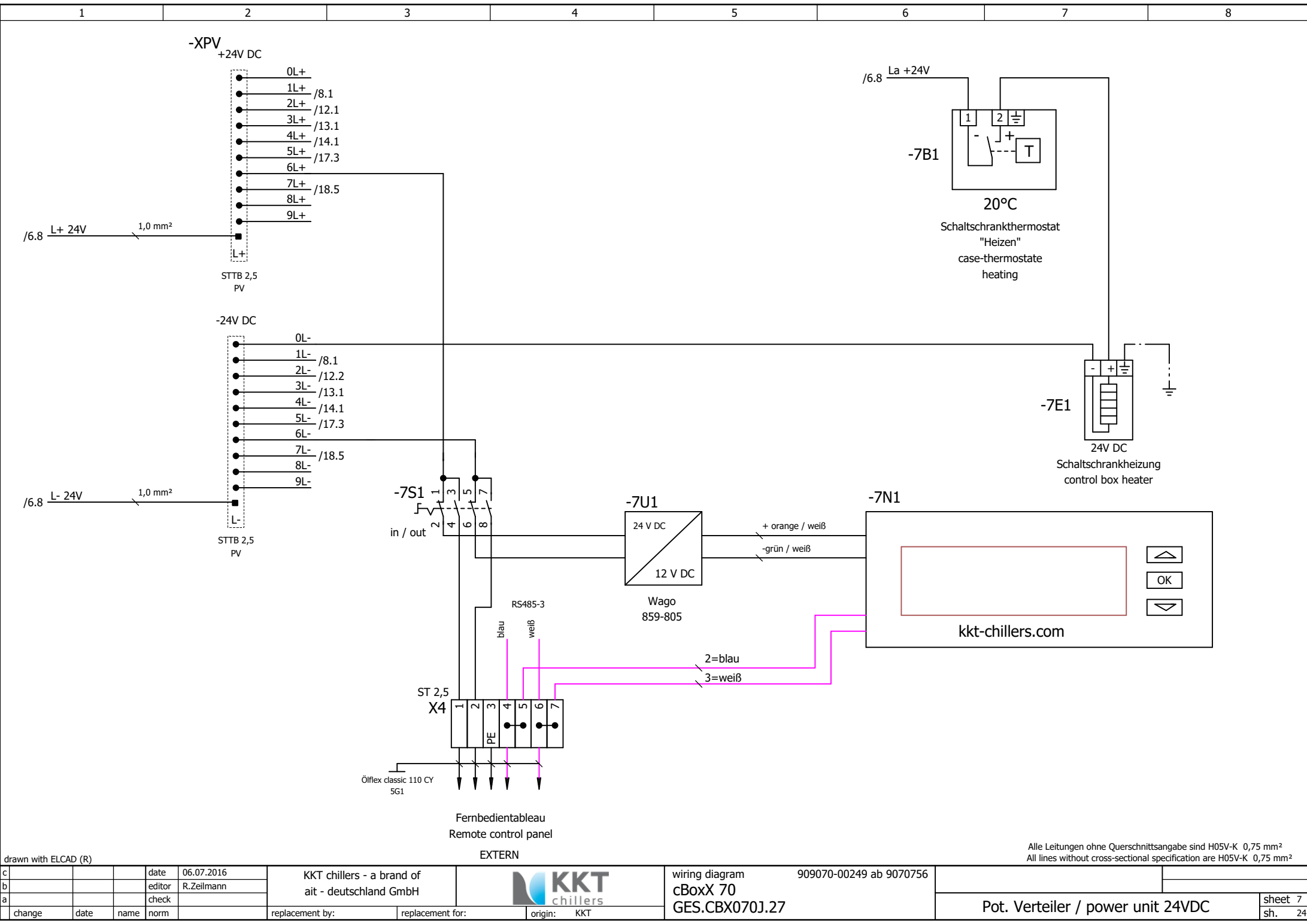
Aufbau Tür innen
view inside of the door

drawn with ELCAD (R)

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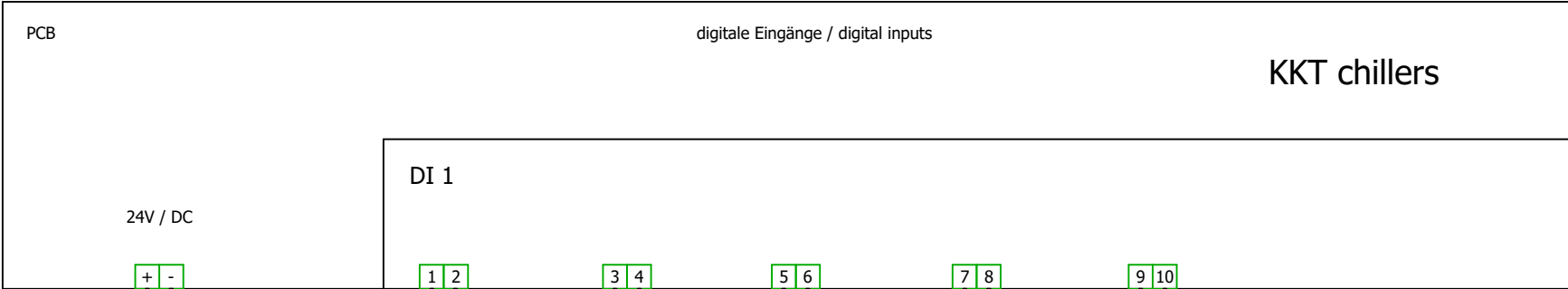
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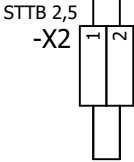
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c			date	06.07.2016	KKT chillers - a brand of ait - deutschland GmbH		wiring diagram cBoxX 70 GES.CBX070J.27	909070-00249 ab 9070756	Pot. Verteiler / power unit 24VDC	sheet 7 sh. 24
b			editor	R.Zeilmann						
a			check							
change	date	name	norm		replacement by:	replacement for:	origin:	KKT		

-8A1



/7.2 1L+
/7.2 1L-



1 = work
0 = stop

Fernsteuerung
remote control

drawn with ELCAD (R)

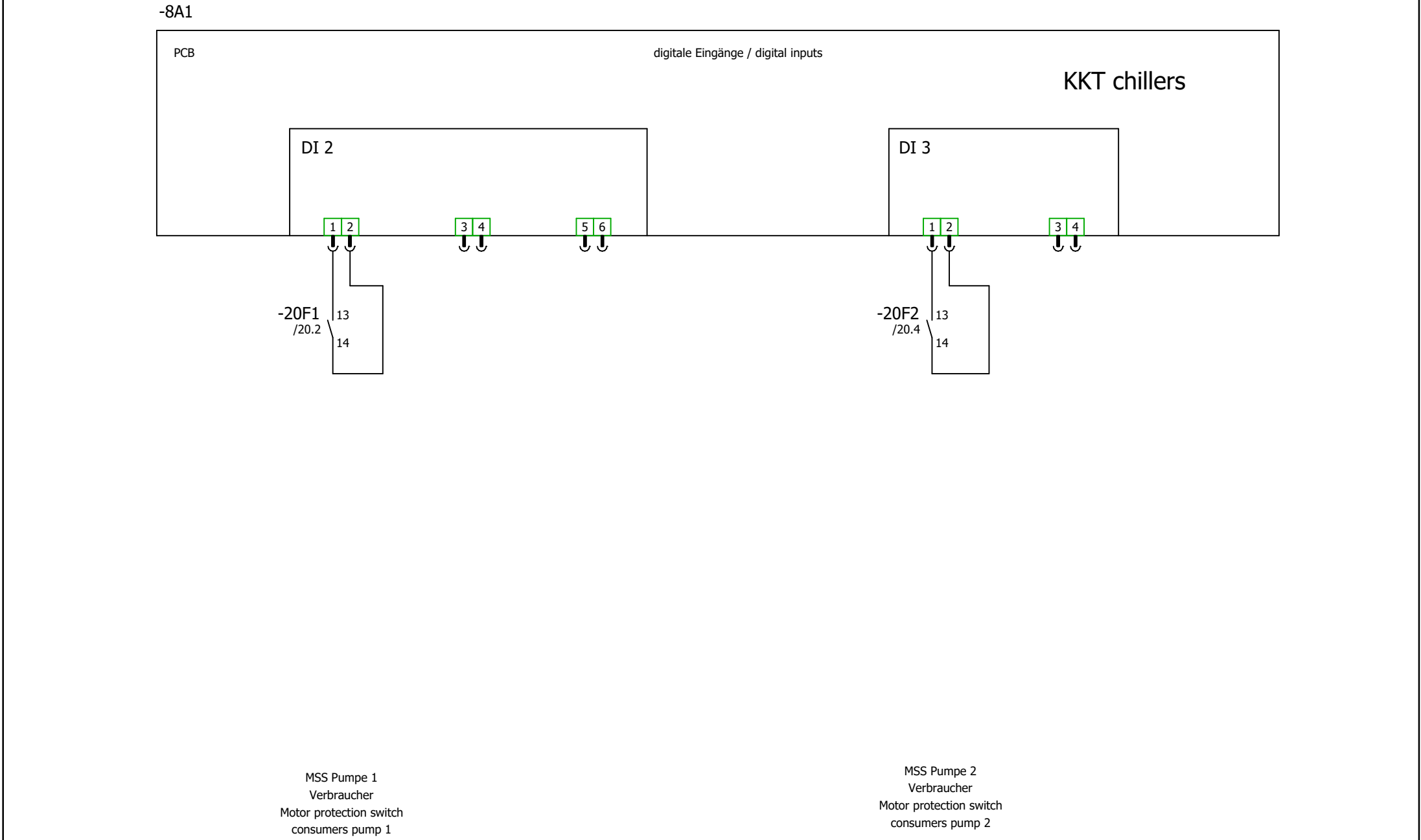
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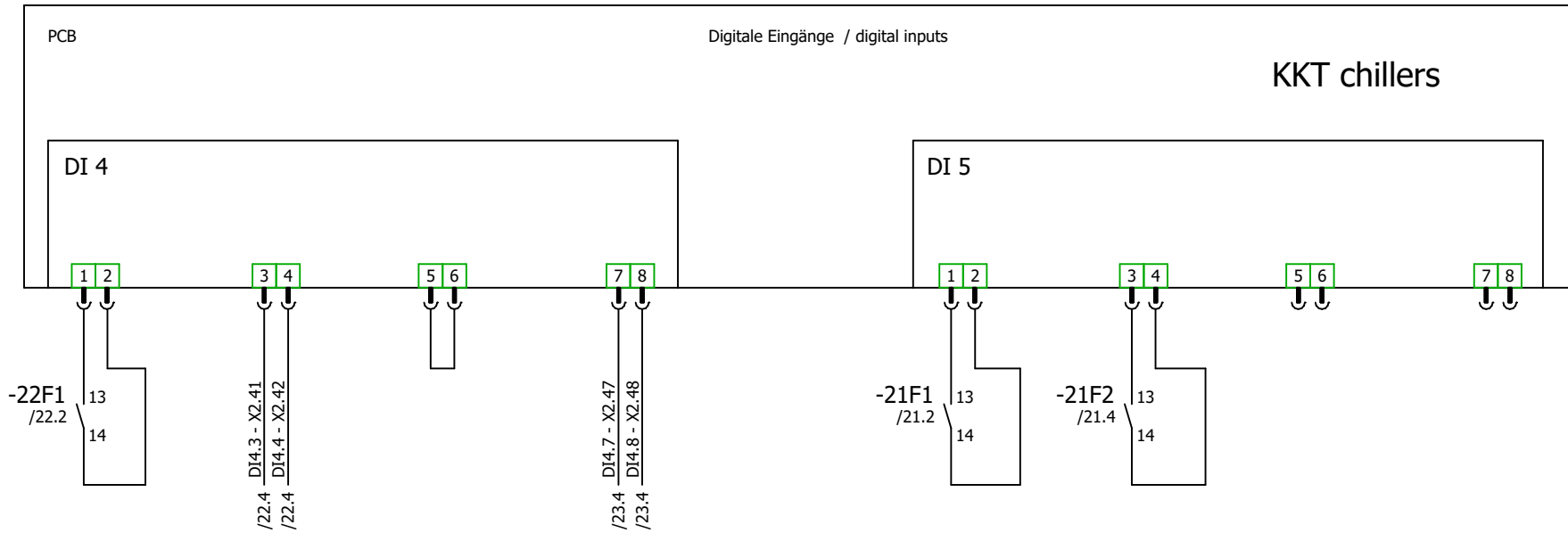


wiring diagram	909070-00249 ab 9070756
cBoxX 70 GES.CBX070J.27	

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-8A1



MMS Lüfter 1
Circuit breaker
Fan 1

Störung Lüfter 1
Fault Fan 1

Störung Lüfter 2
Fault Fan 2

MSS
Kompressor 1
circuit breaker
compressor 1

MSS
Kompressor 2
circuit breaker
compressor 2

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b			editor	R.Zeilmann
a			check	
change	date	name	norm	

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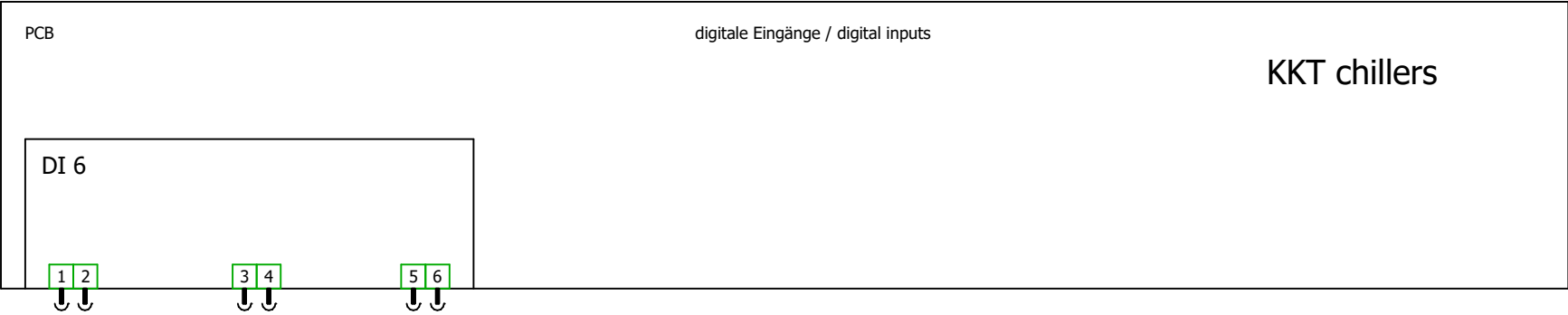


wiring diagram	909070-00249 ab 9070756
cBoxX 70	
GES.CBX070J.27	

Platine digital Eingänge / PCB digital input	sheet 10 sh. 24
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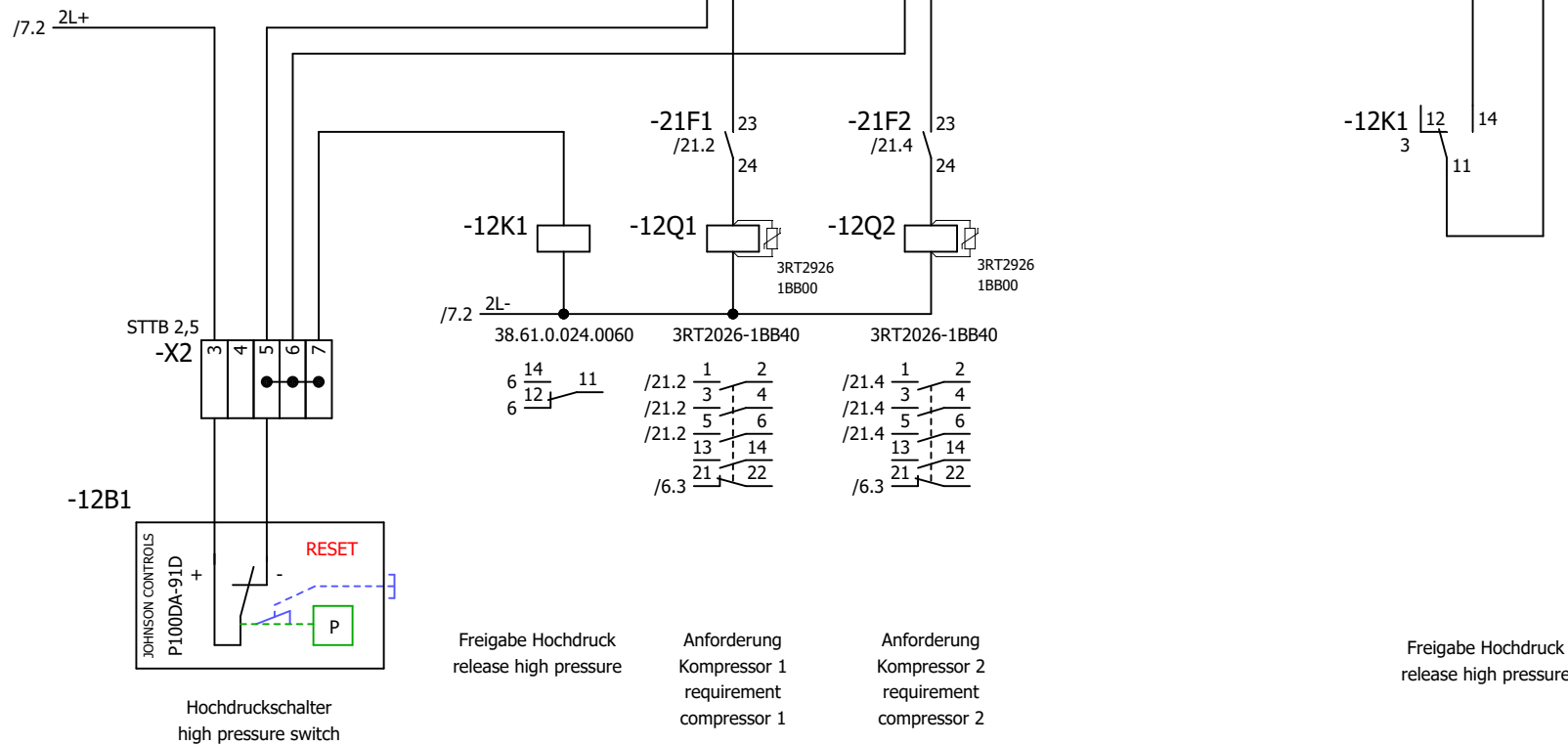


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PCB

ES 1

KKT chillers



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	change	date	name	norm

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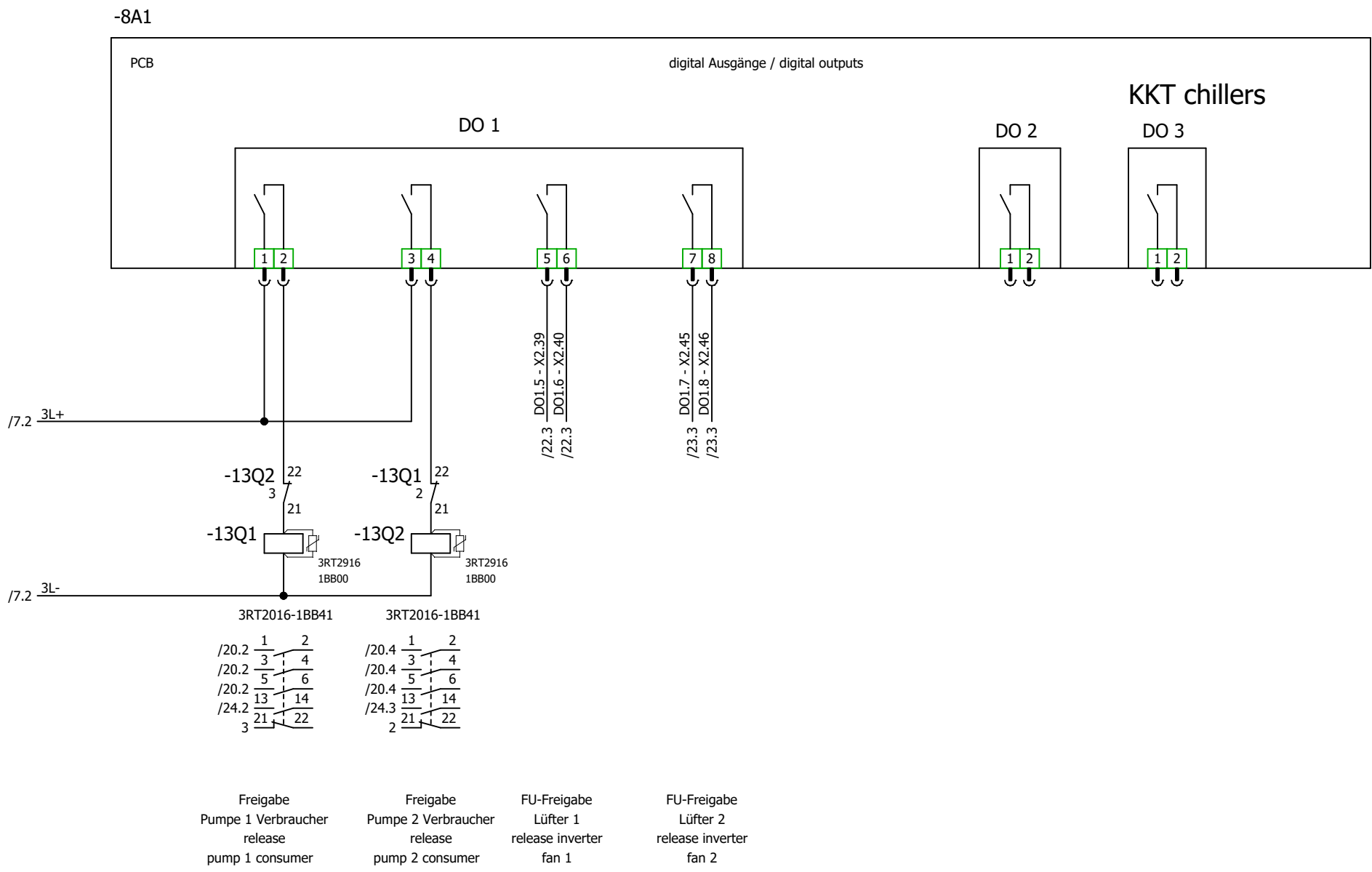
wiring diagram
cBoxX 70
GES.CBX070J.27

909070-00249 ab 9070756

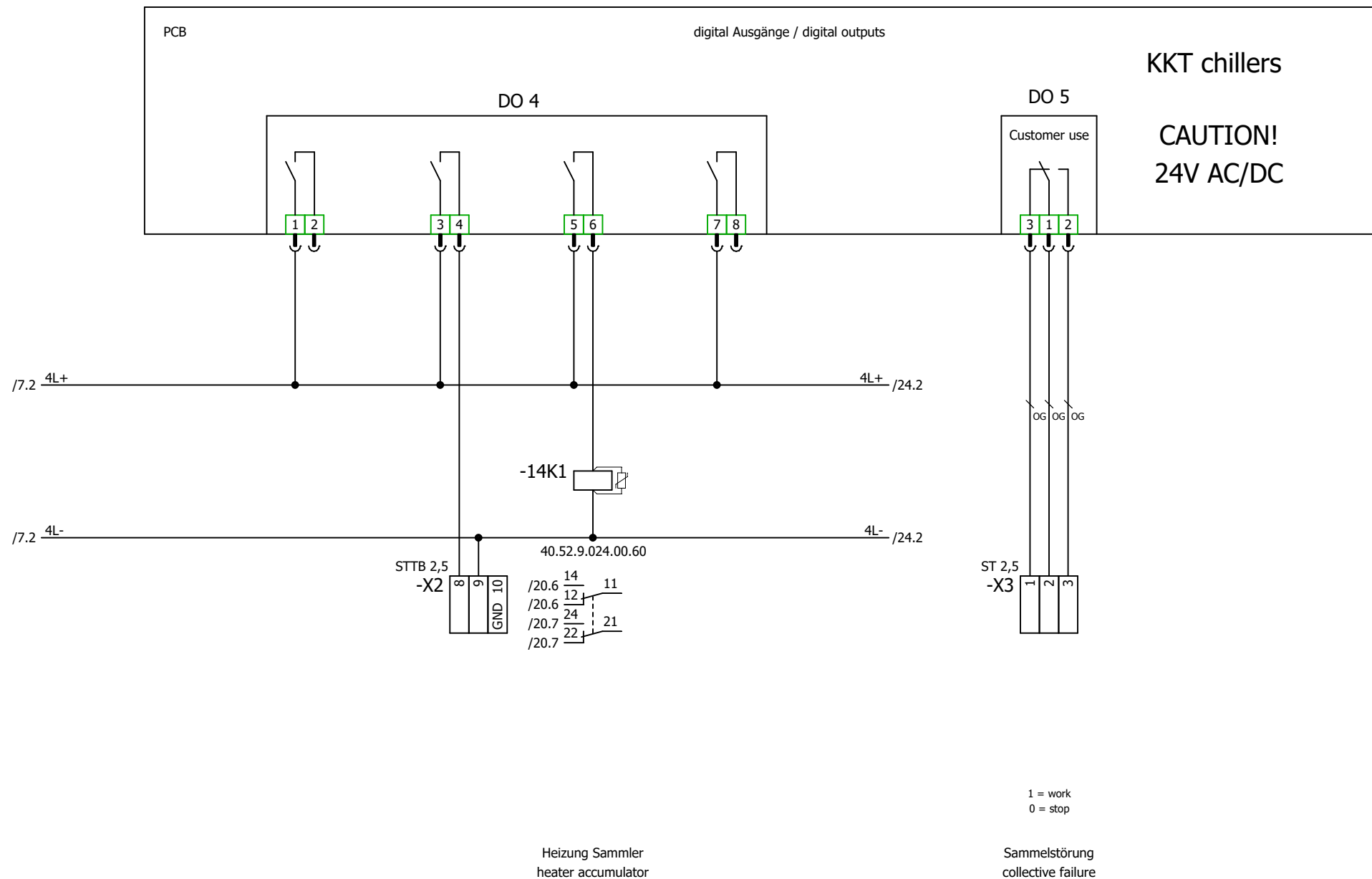
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Platine digital Ausgänge / PCB digital output

sheet 12
sh. 24



-8A1

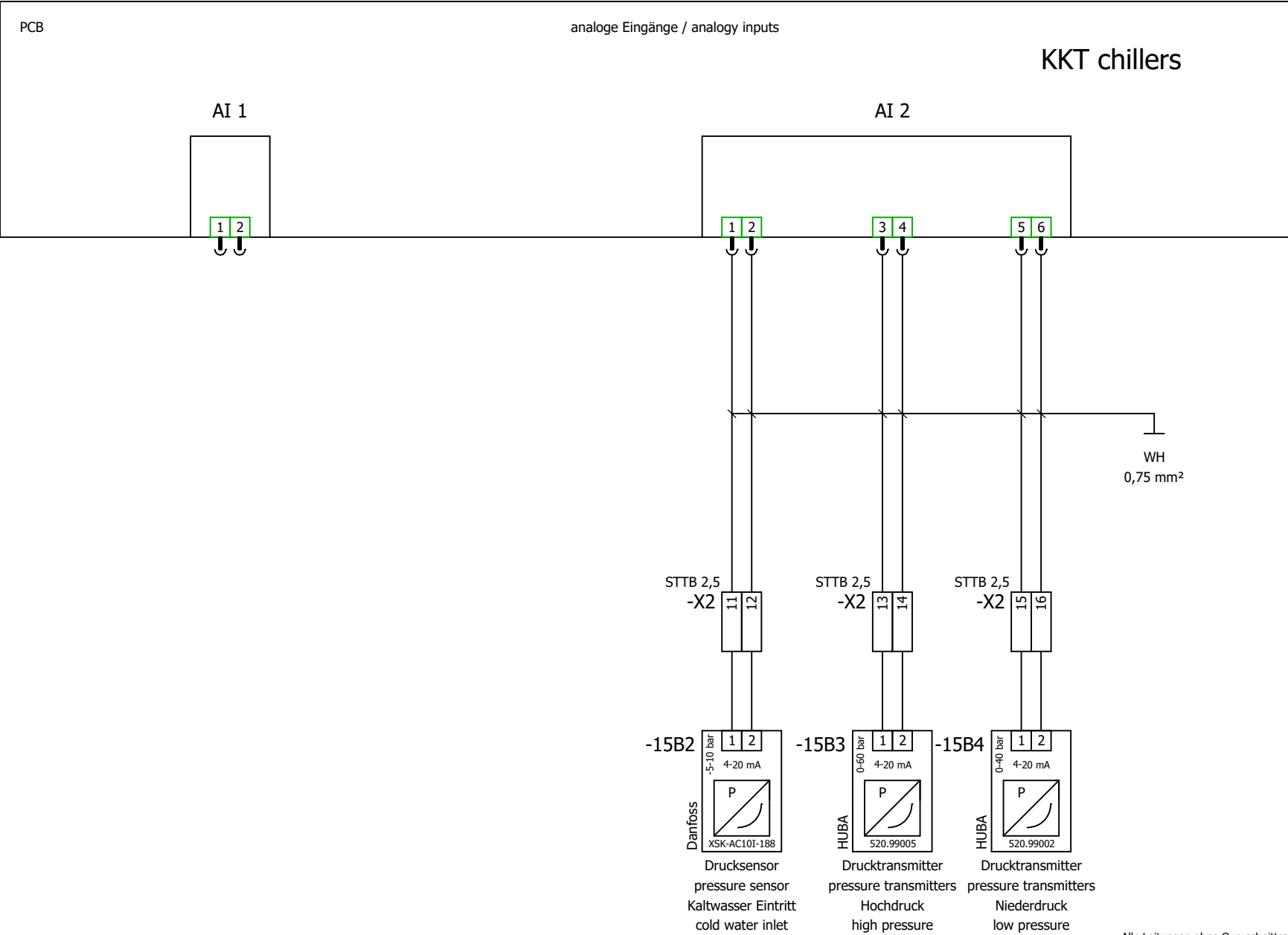


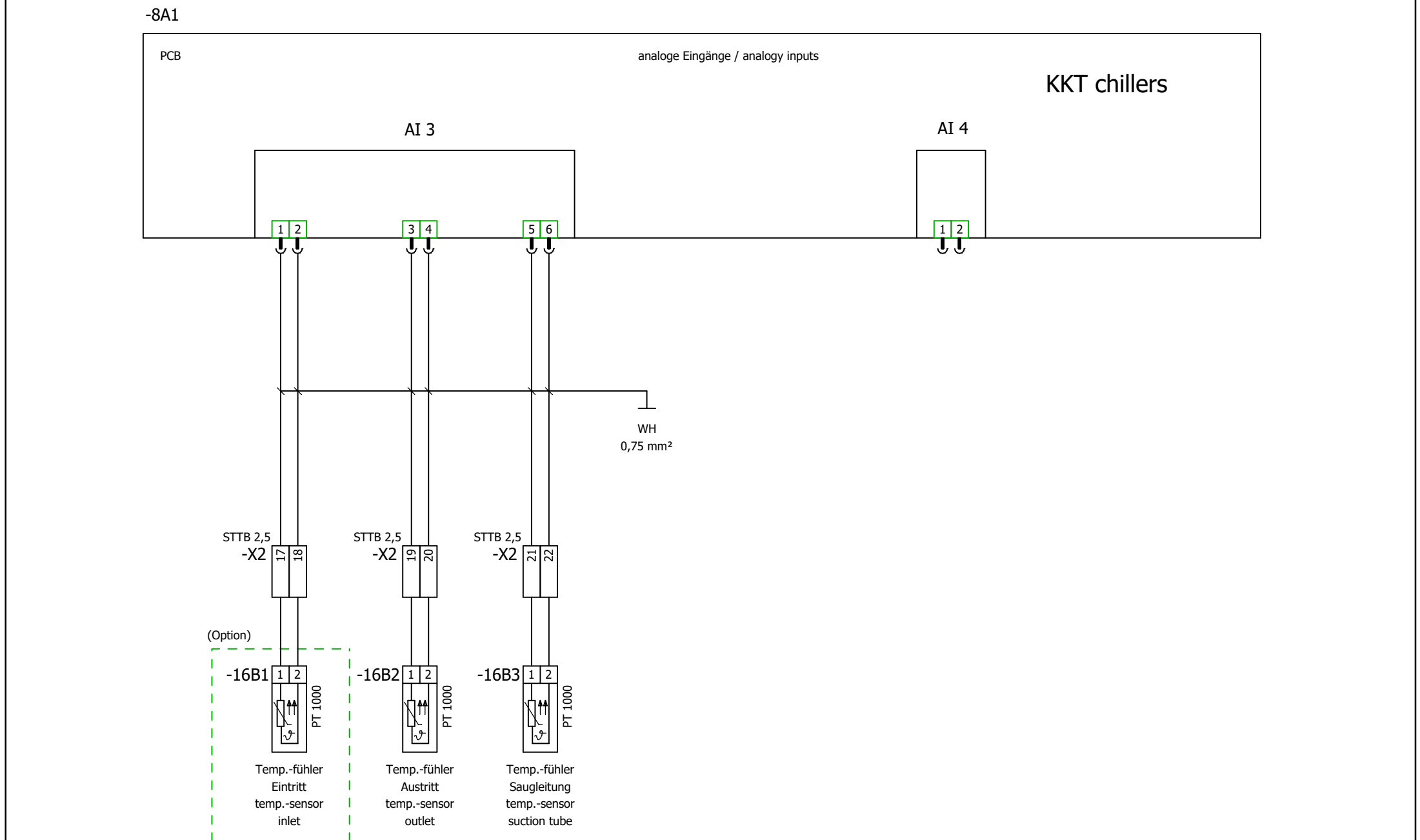
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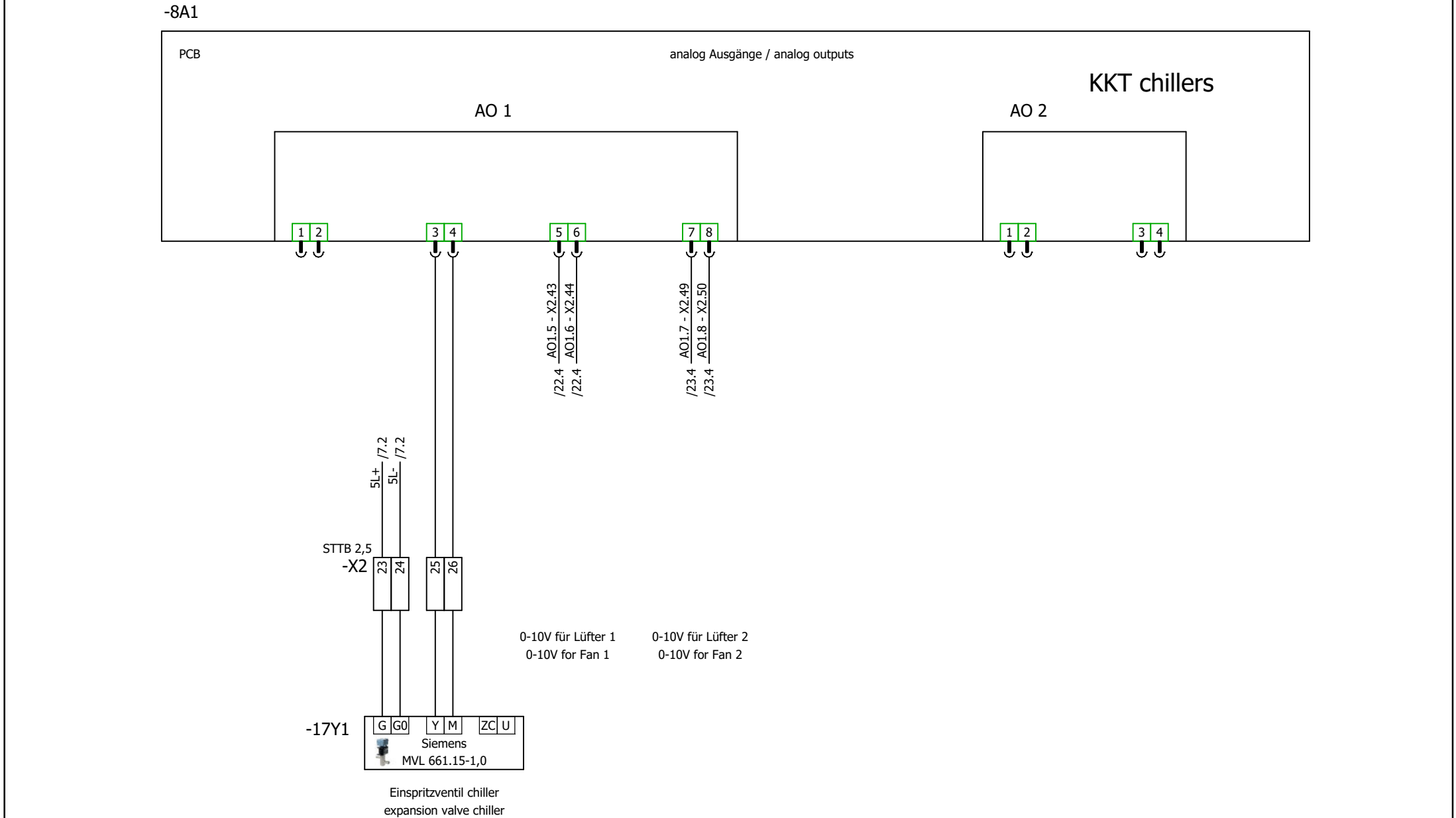
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b			editor	R.Zellmann							
a			check								
	change	date	name	norm	replacement by:	replacement for:	origin: KKT		Platine digital Ausgänge / PCB digital output		sheet 14 sh. 24

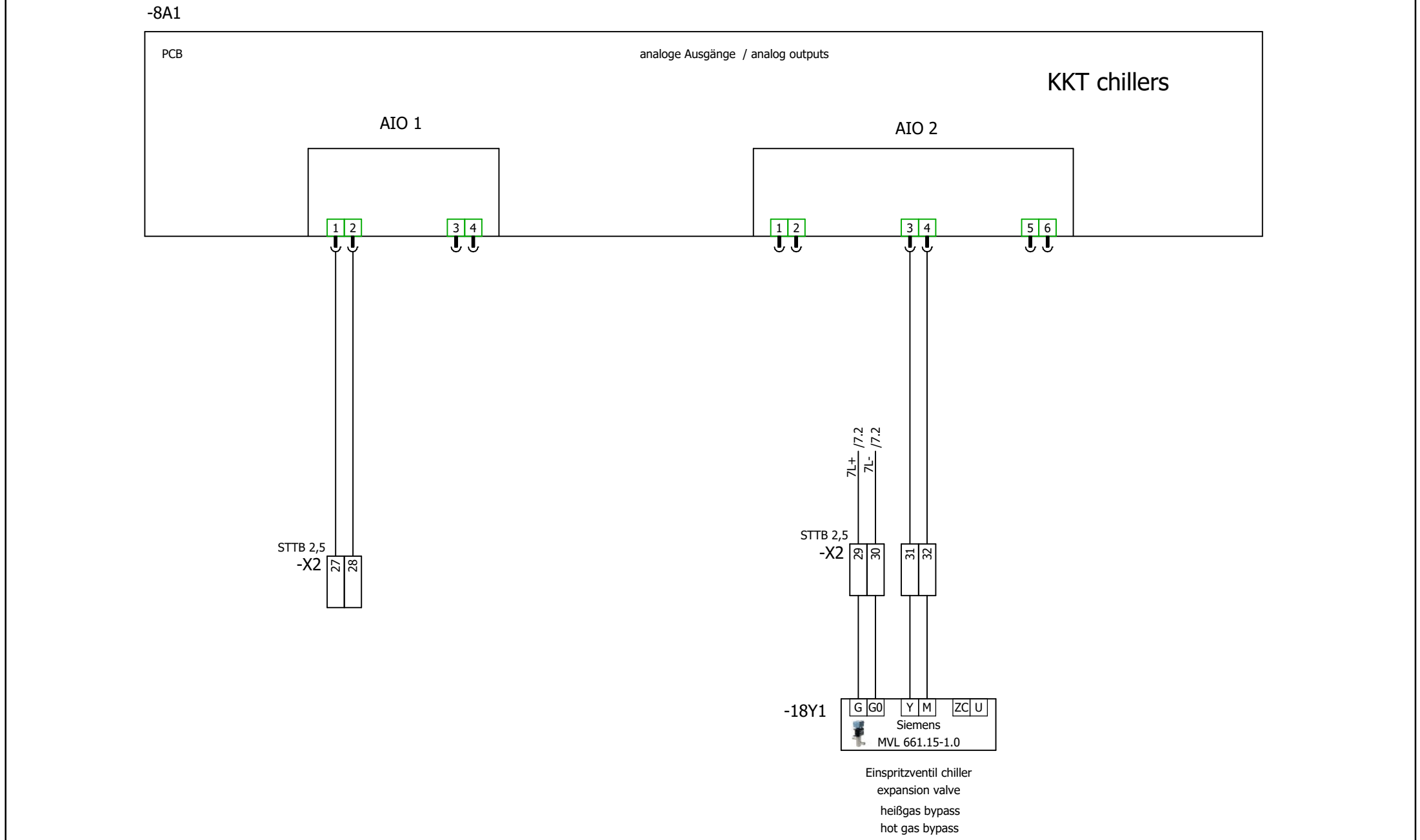
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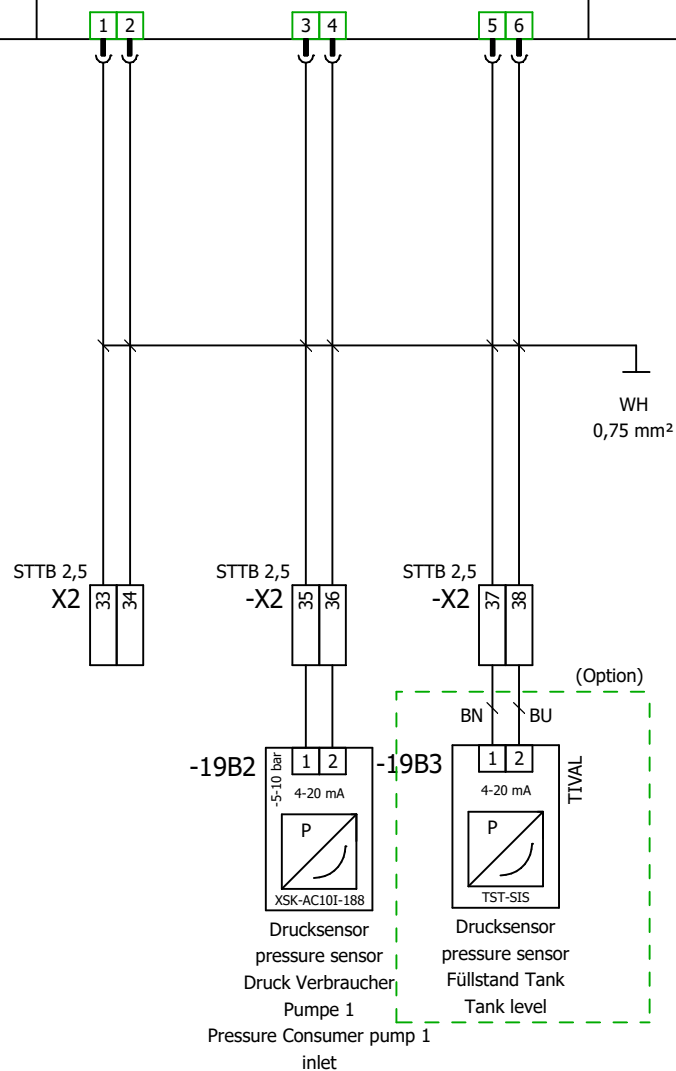






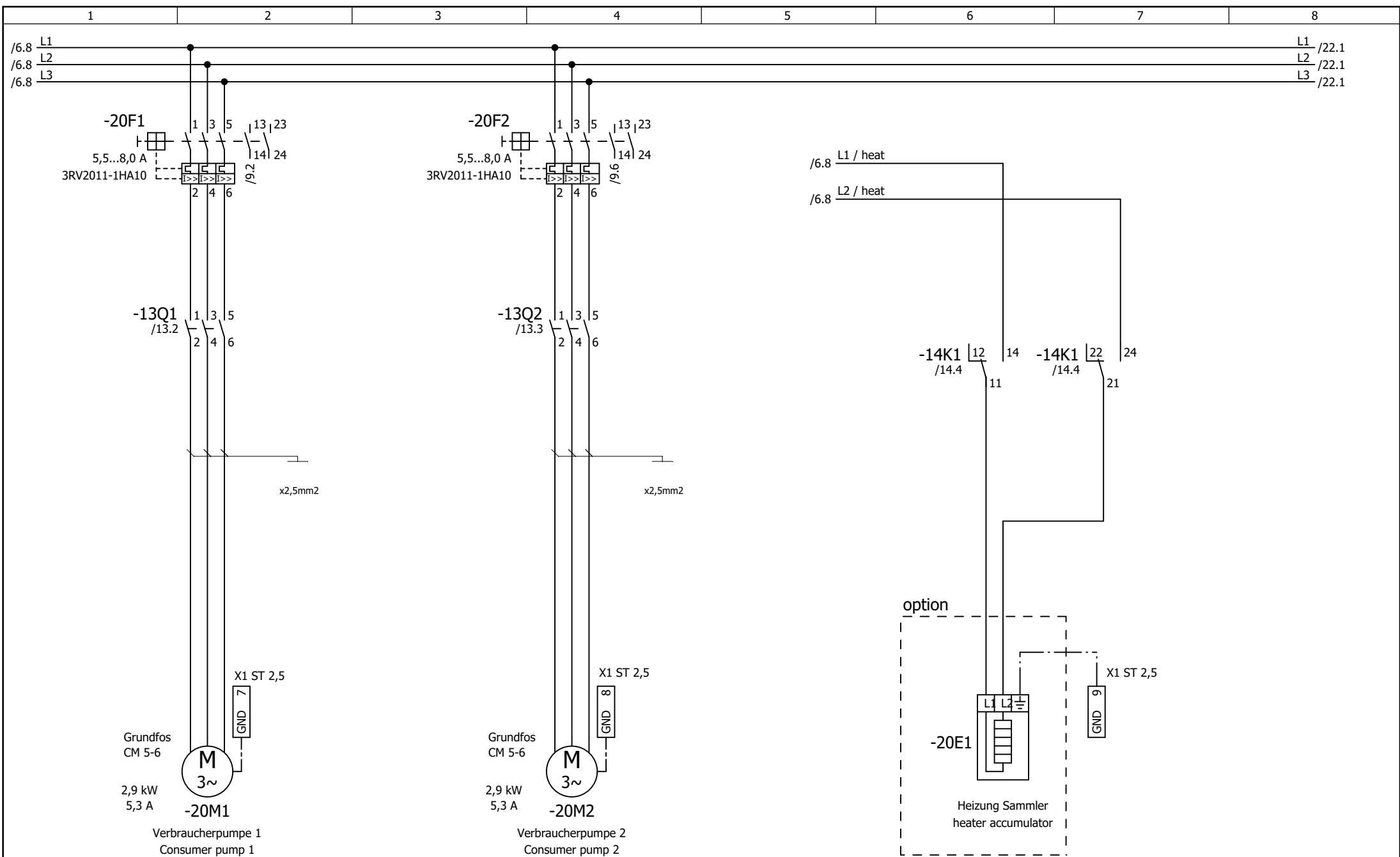
KKT chillers

IFP AI1



sheet	19
sh.	24

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change	date	name	norm	

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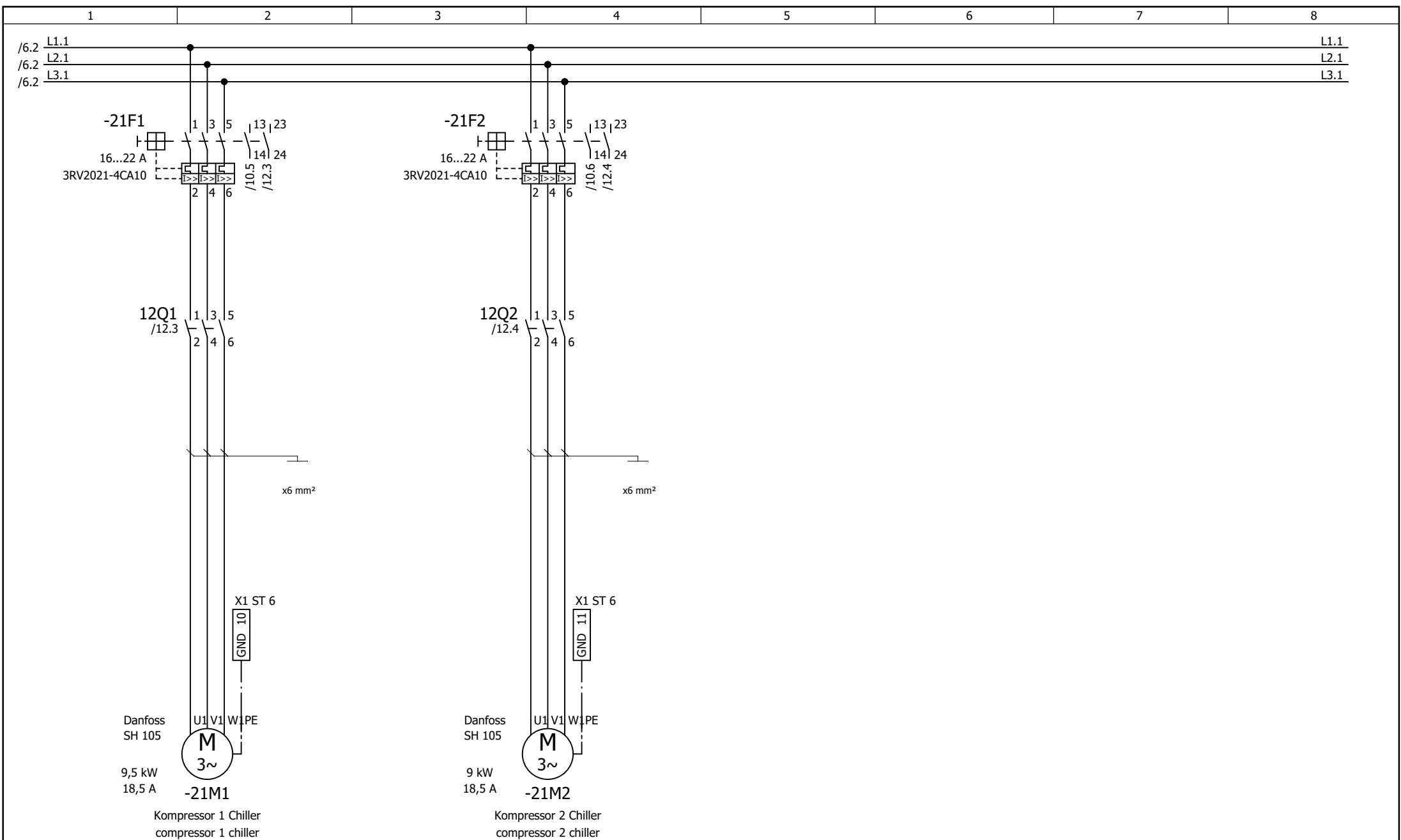
wiring diagram
cBoxX 70
GES.CBX070J.27

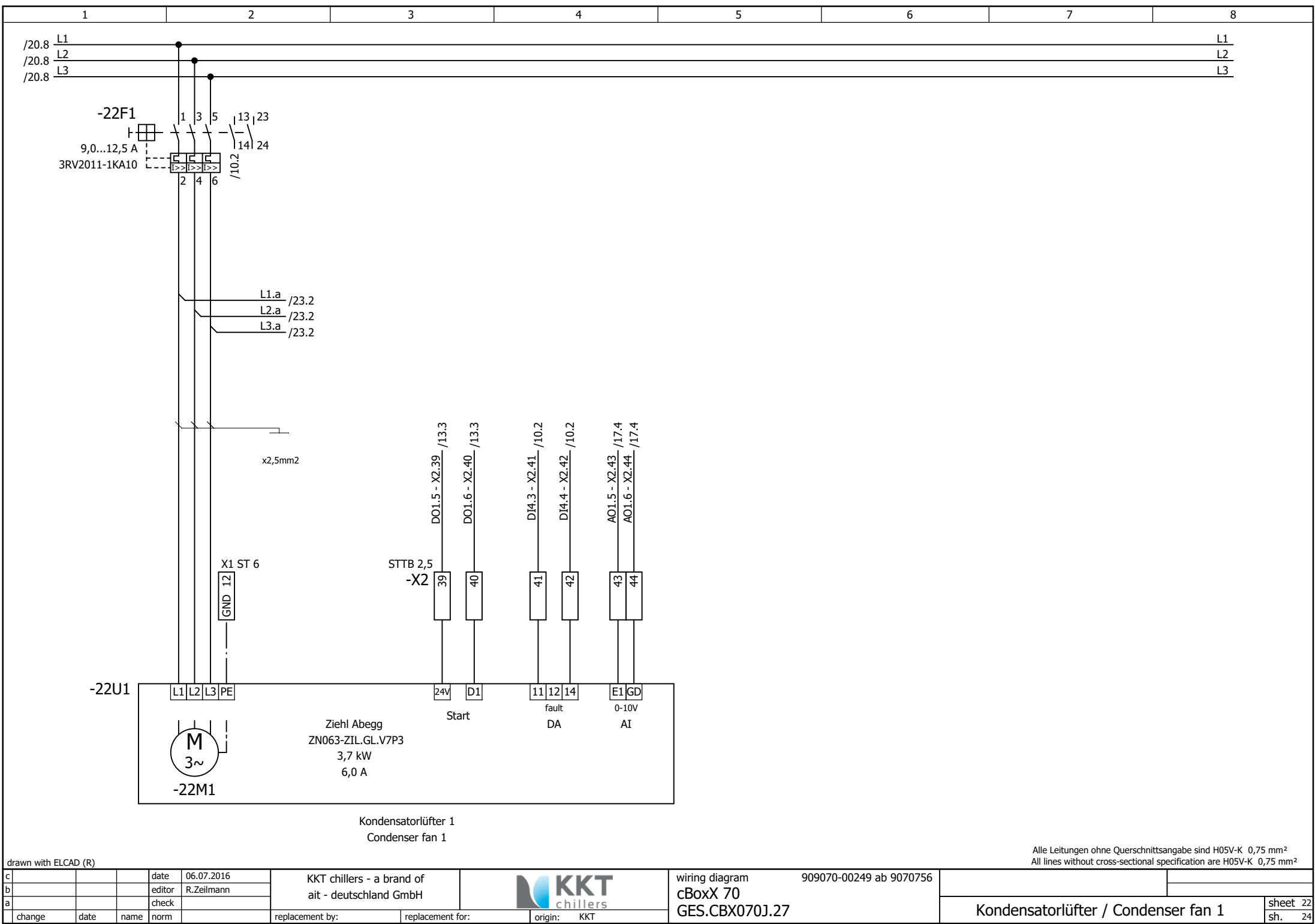
909070-00249 ab 9070756

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Pumpe / pump

sheet 20
sh. 24





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	change	date	name	norm

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replacement by:	replacement for:



wiring diagram	909070-00249 ab 9070756
cBoxX 70	
GES.CBX070J.27	

Kondensatorlüfter / Condenser fan 1	sheet 22
	sh. 24

