Hersteller Manufacturer

ELOG Elektrotechnik GmbH Schaumburg

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Besteller Purchaser

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Reherweg 28
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Homepage http://www.aerzen.com

Projektverantwortlicher Responsible for project	Mr. Matthias	Projektverantwortlicher Responsible for project	
Auftragnummer Commission	2019-183-1-AU01	Auftragsnummer Commission	
Zeichnungsnummer Job number	2019-183-1-SP02	Bestellnummer Order number	
		Materialnummer Ident number	
		Typ Type	GQ

Emmerthaler Apparatebau GmbH
Best.-Nr.: BST1901933/0
EAV1900102/FA1900517 "CPG"
H. Hubrich

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Anzahl der Seiten
Number of pages 16

1.1

			Date	09.07.2019	Aerzener Maschinenfabrik GmbH	ELOG Elektrotechnik GmbH Schaumburg	Deckblatt Cover sheet	Job number 2019-183-1-SP02	=
			Ed.	OlMa	Instrumentengerüst Einheit Instrumentation rack Unit				+
			Appr					GQ	Page 1
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Typenschild
name plate

ELOG
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Auftragnummer Commission	2019-183-1-AU01
Zeichnungsnummer Job number	2019-183-1-SP02
Baujahr Manufacturing date	07 / 2019
Betriebsspannung Operating voltage	
Steuerspannung AC Control voltage AC	
Steuerspannung DC Control voltage DC	DC 24 V

Verdrahtungsfarben
wiring colors

Leitungsart Category wire		Farbe Color
Hauptstromkreis L1 / L2 / L3 main circuit L1 / L2 / L3		schwarz black
Neutralleiter N Neutral conductor N		hellblau light blue
Schutzleiter PE Protective wire PE		grün-gelb green-yellow
Steuerspannung AC Control voltage AC		rot red
Steuerspannung DC Control voltage DC	DC 24 V	dunkelblau dark blue
Mess- und Fühlerleitungen Measuring wire		weiß white
Fremdspannung External voltage		orange orange

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Page	Page description	supplementary page field	Date	Edited by	X
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/1.1	Allgemeine Informationen general information		09.07.2019	OlMa	X
/2	Inhaltsverzeichnis Table of contents		09.07.2019	OlMa	
=GQ+OIL.BM/1	Deckblatt Cover sheet		09.07.2019	OlMa	X
=GQ+OIL.BM/2	Klemmenkasten Junction box		09.07.2019	OlMa	
=GQ+OIL.BM/3	Instrumentengerüst Instrumentation rack		09.07.2019	OlMa	
=GQ+OIL.BM/5	Ölpumpe / Ölheizung oil pump / oil heater		09.07.2019	OlMa	
=GQ+OIL.BM/6	Niveauschalter Öltank level switch oil-vessel		09.07.2019	OlMa	
=GQ+OIL.BM/7	Differenzdruck Ölfilter differential pressure oil filter		09.07.2019	OlMa	
=GQ+OIL.BM/8	Öldruck oil-pressure		09.07.2019	OlMa	
=GQ+OIL.BM/9	Öltemperatur oil temperature		09.07.2019	OlMa	
=GQ+OIL.BM/10	Durchfluss Kühlwasserauslass Ölkühler Flow cooling water outlet oil cooler		09.07.2019	OlMa	
=GQ+TS/1	Klemmenplan =GQ+OIL.BM-JB1-X1 Terminal diagram =GQ+OIL.BM-JB1-X1		09.07.2019	OlMa	
=GQ+TS/1.1	Klemmenplan =GQ+OIL.BM-JB1-X1 Terminal diagram =GQ+OIL.BM-JB1-X1		09.07.2019	OlMa	
=GQ+BOM/1	Artikelstückliste : STAHL.8146/2S71 - STAHL.8146/2S71 Parts list : STAHL.8146/2S71 - STAHL.8146/2S71		09.07.2019	OlMa	
=GQ+CAB/1	Kabelübersicht : =GQ+OIL.BM-W_B61 - =GQ+OIL.BM-W_R91 Cable overview : =GQ+OIL.BM-W_B61 - =GQ+OIL.BM-W_R91		09.07.2019	OlMa	

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		Typ Type	GQ

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Best.-Nr.: BST1901933/0
EAV1900102/FA1900517 "CPG"
H. Hubrich

Klemmenkasten Ölanlage Gebläse Einheit Junction box oil unit Blower Unit

=+/2

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			Date	09.07.2019	Aerzener Maschinenfabrik GmbH	ELOG Elektrotechnik GmbH Schaumburg	Deckblatt Cover sheet	Job number 2019-183-1-SP02	= GQ	
			Ed.	OlMa	Instrumentengerüst Einheit Instrumentation rack Unit				+ OIL.BM	
			Appr					GQ	Page	1
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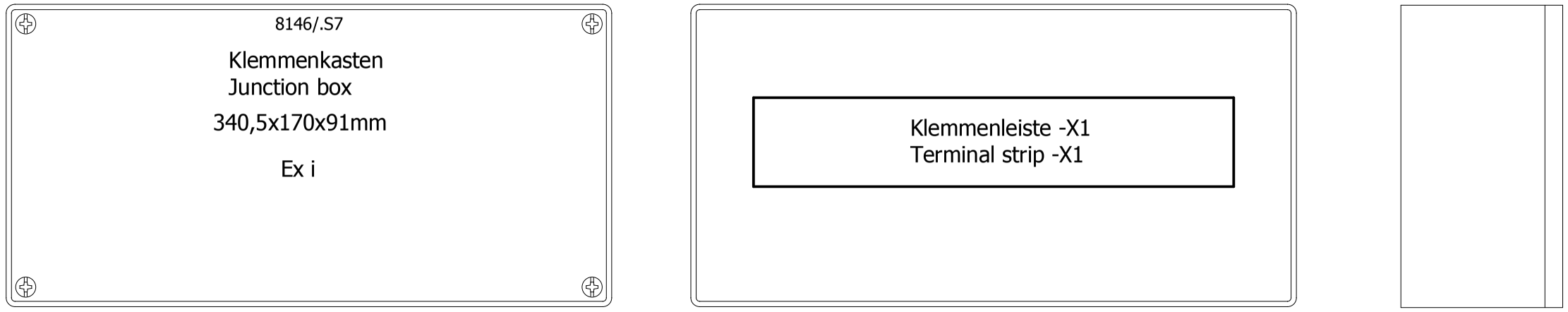
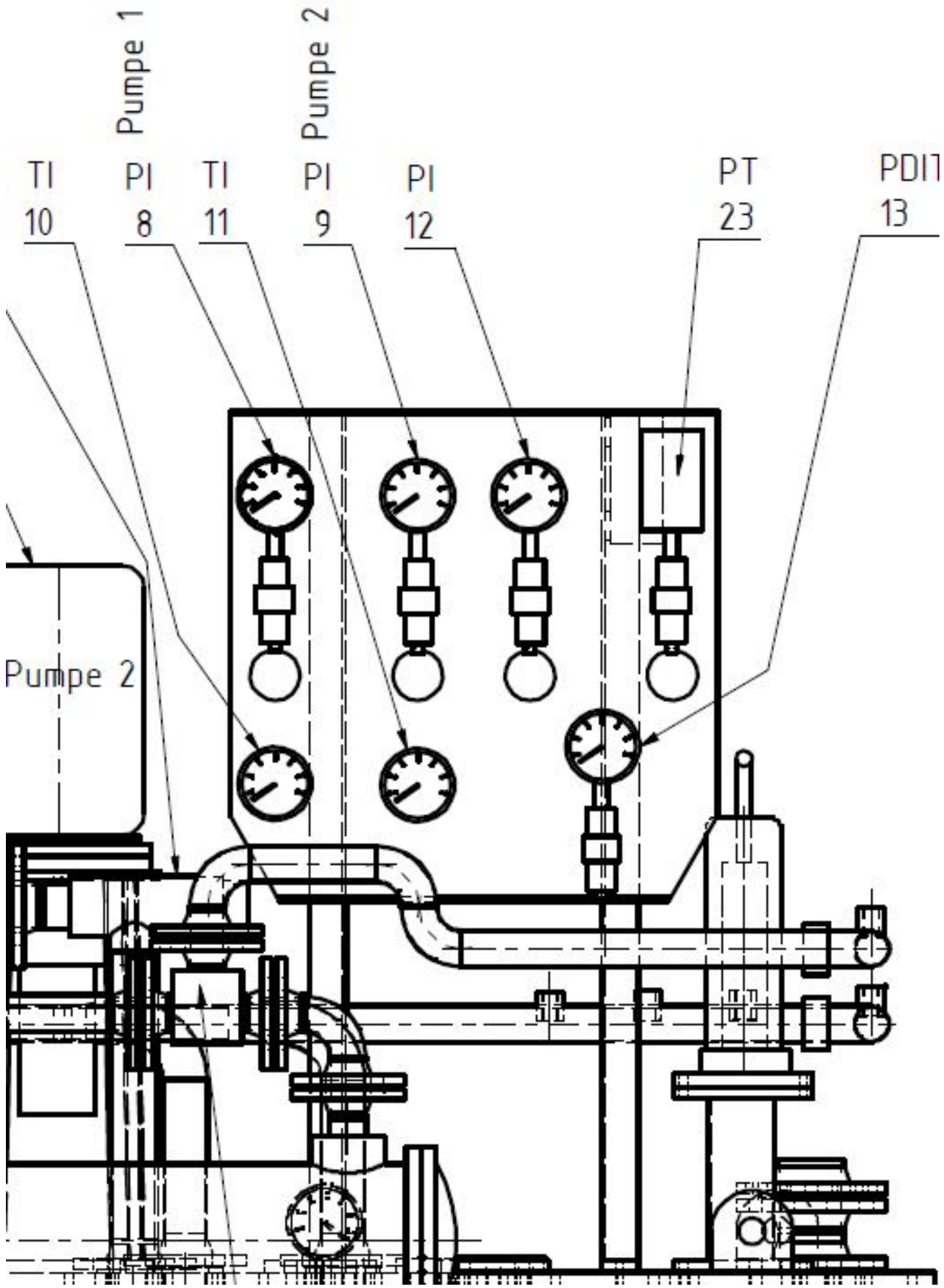
JB1



Kabelverschraubungen unten
cable glands bottom

5x M20x1,5
3x M20x1,5 blind
1x M32x1,5 Kunde / customer



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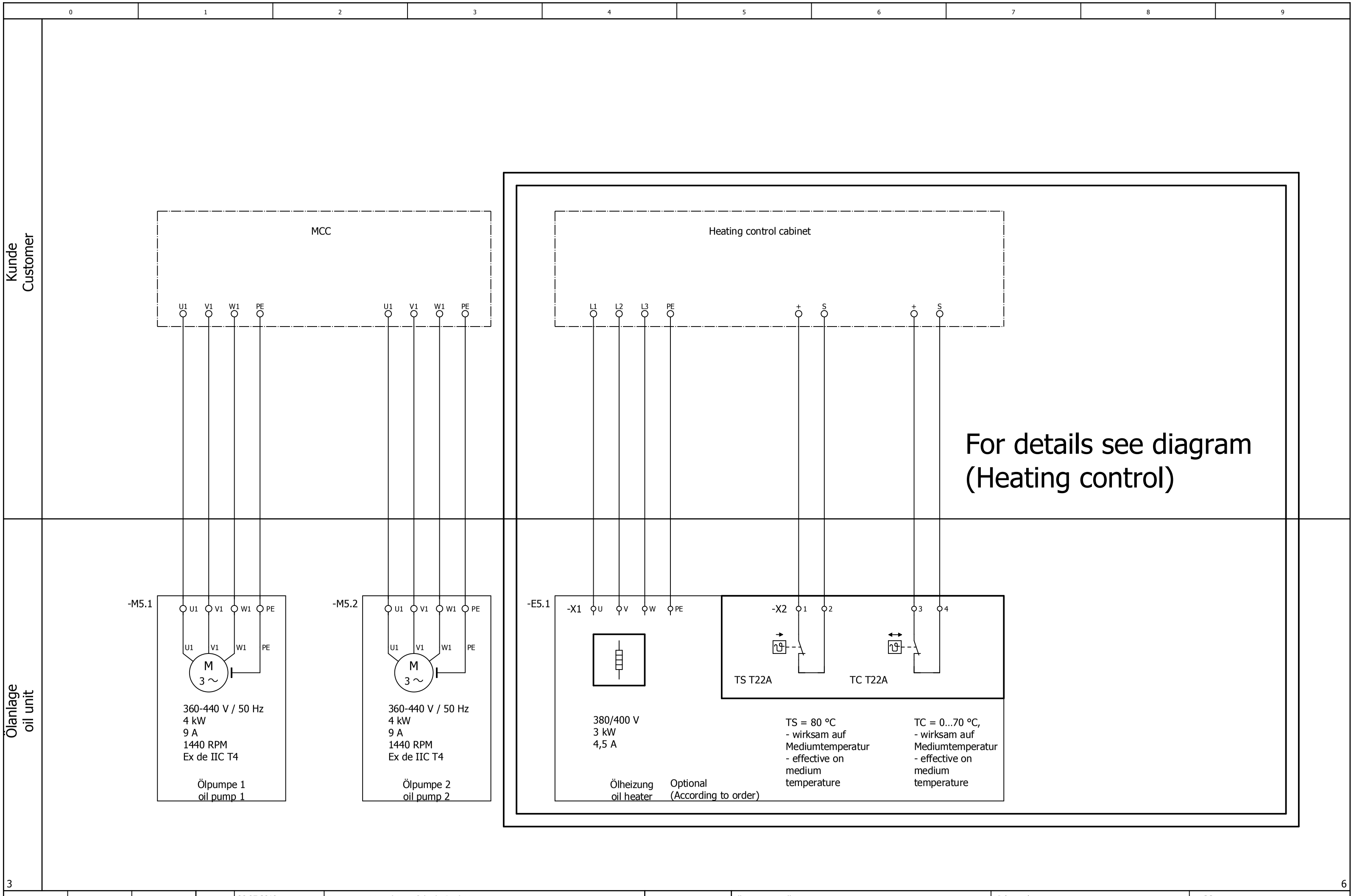
			Ed.	OIMa	Instrumentengerüst Einheit Instrumentation rack Unit					+ OIL.BM	
			Appr						GQ	Page	3
Modification	Date	Name	Original		ePLAN-Version 2.7.3					Pages	16



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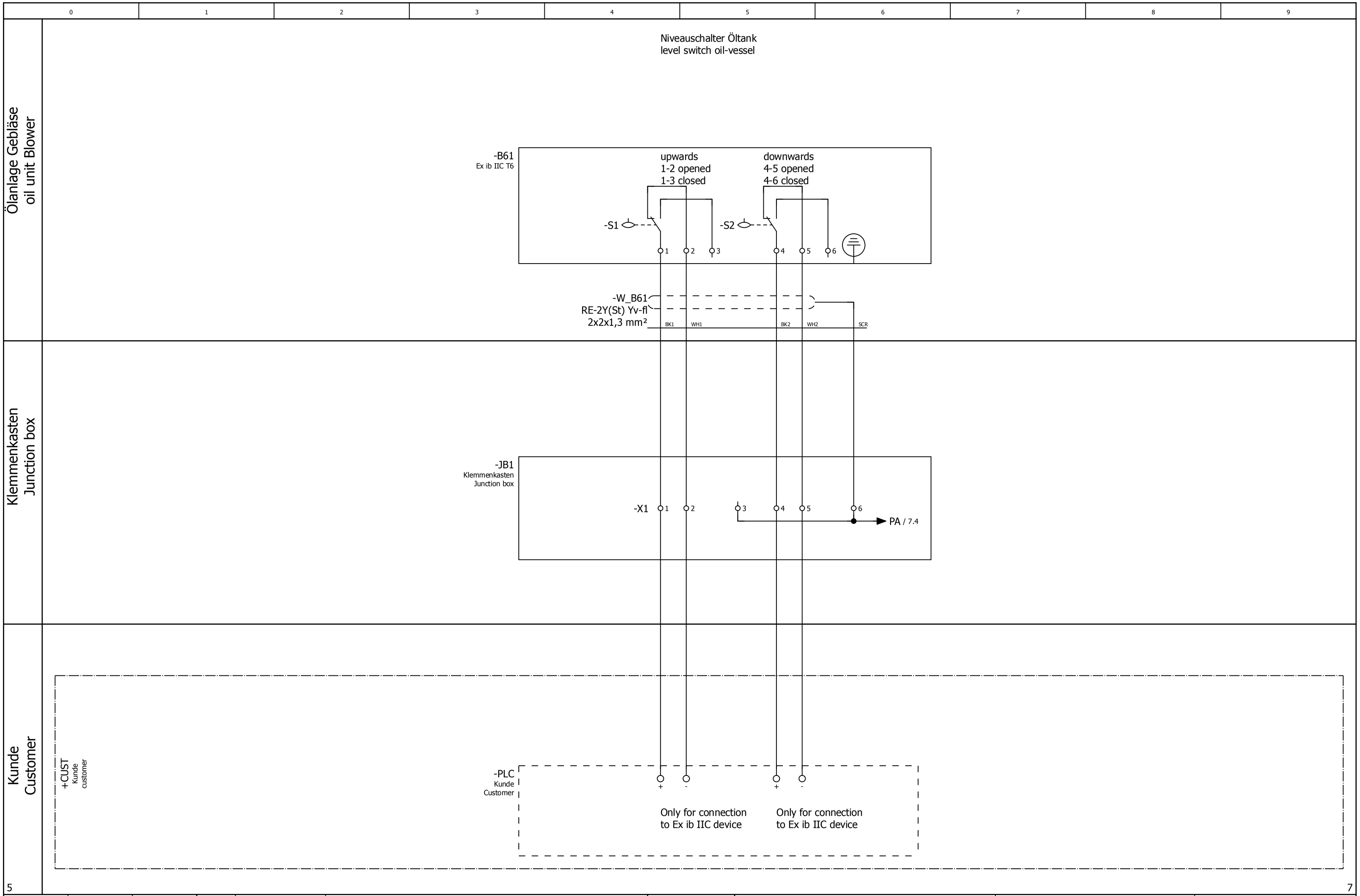
			Date	09.07.2019	Aerzener Maschinenfabrik GmbH	ELOG Elektrotechnik GmbH Schaumburg	Ölpumpe / Ölheizung oil pump / oil heater	Job number 2019-183-1-SP02	= GQ
			Ed.	OlMa	Instrumentengerüst Einheit Instrumentation rack Unit				+ OIL.BM
			Appr					GQ	Page 5
Modification	Date	Name	Original		ePLAN-Version 2.7.3				Pages 16



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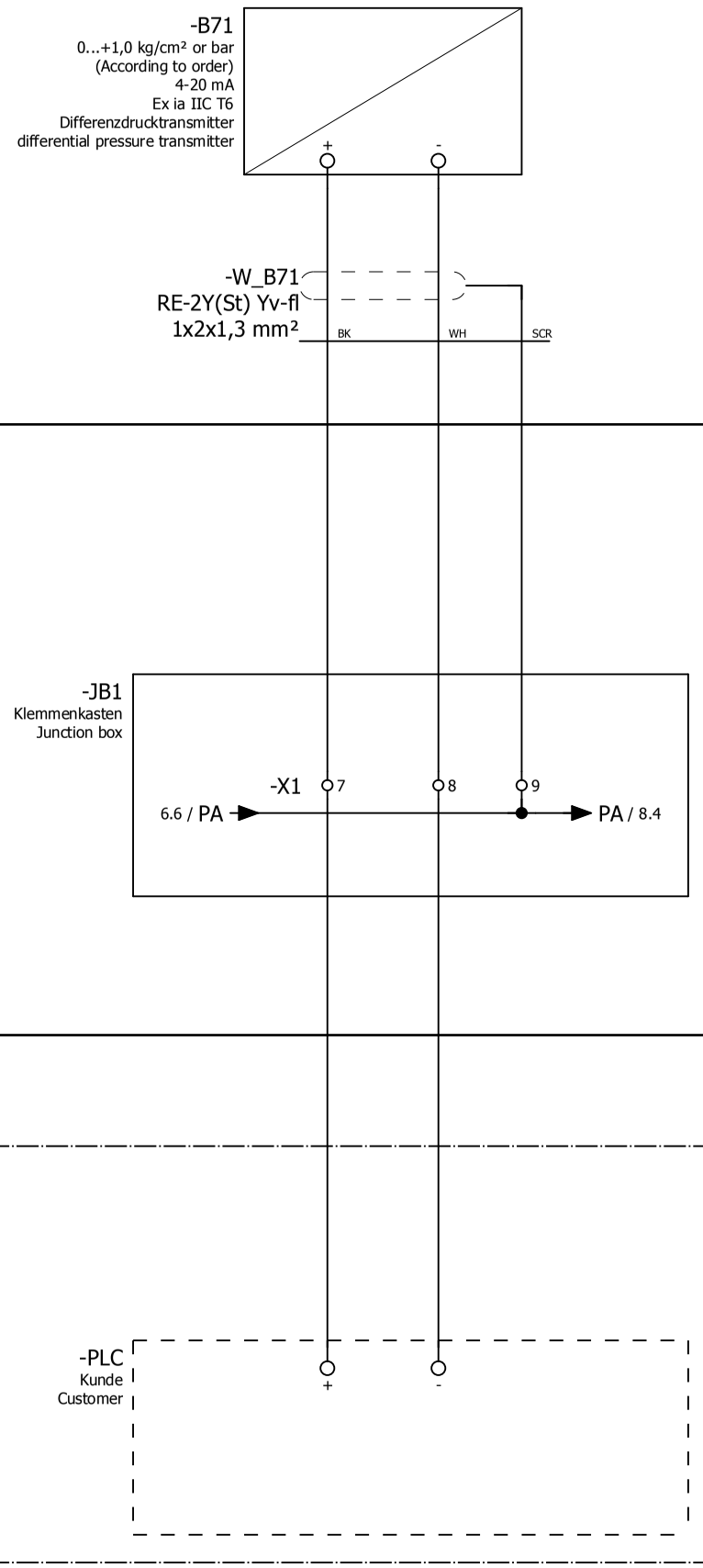
			Ed.	OlMa	Instrumentengerüst Einheit Instrumentation rack Unit				+ OIL.BM
			Appr					GQ	Page 6
Modification	Date	Name	Original		ePLAN-Version 2.7.3				Pages 16

Differenzdruck Ölfilter
differential pressure oil filter

Ölanlage Gebläse
oil unit Blower



Klemmenkasten
Junction box

Kunde
Customer

6

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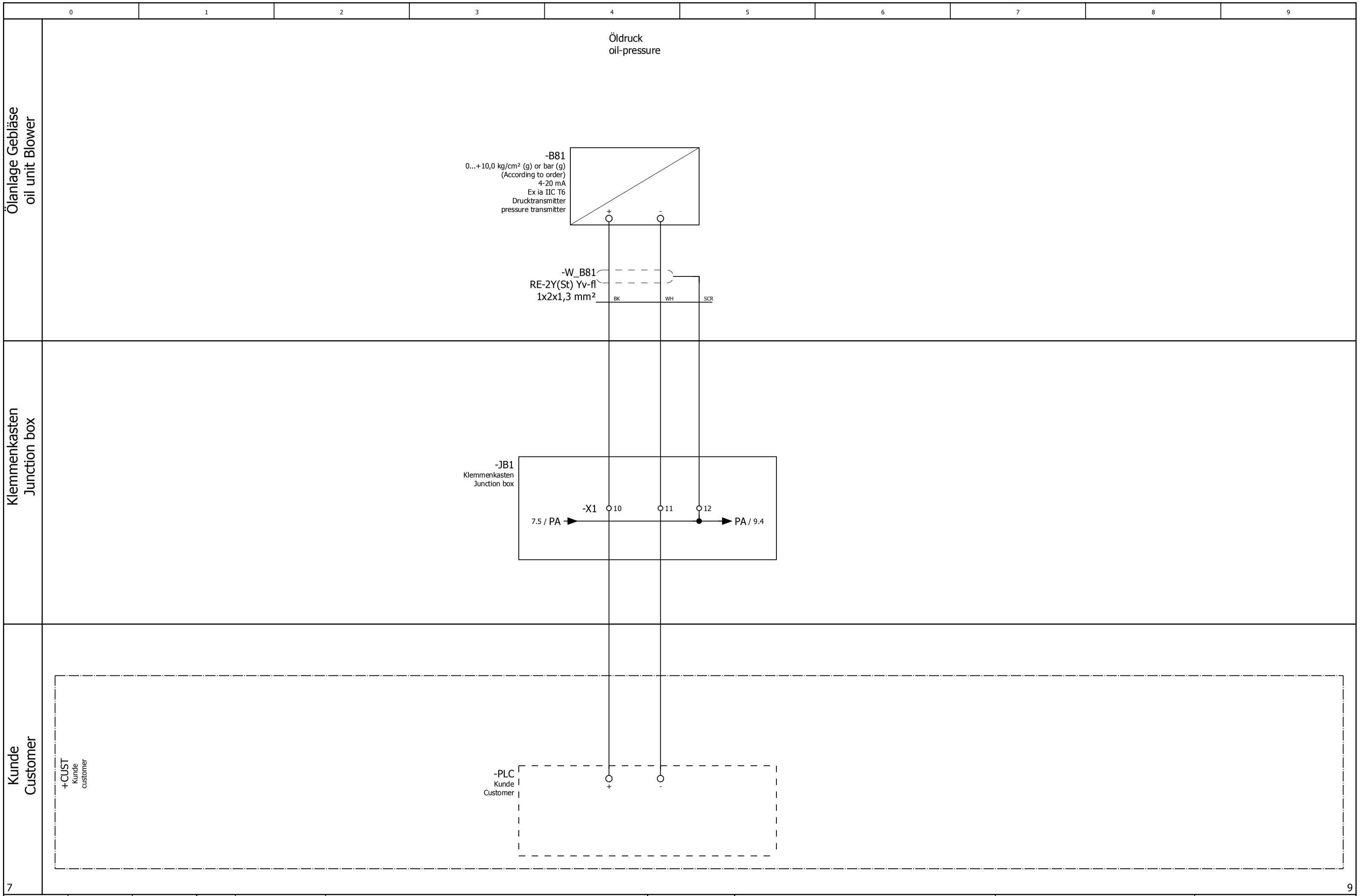
			Date	09.07.2019	Aerzener Maschinenfabrik GmbH	ELOG Elektrotechnik GmbH Schaumburg	Differenzdruck Ölfilter differential pressure oil filter	Job number 2019-183-1-SP02	= GQ
			Ed.	OlMa	Instrumentengerüst Einheit Instrumentation rack Unit				+ OIL.BM
			Appr					GQ	Page 7
Modification	Date	Name	Original		ePLAN-Version 2.7.3				Pages 16



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			Ed.	OlMa	Instrumentengerüst Einheit Instrumentation rack Unit				+ OIL.BM
			Appr					GQ	Page 8
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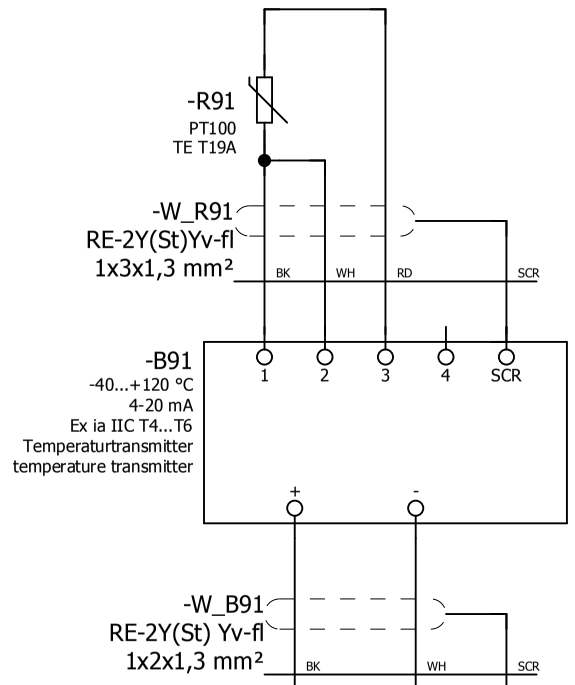
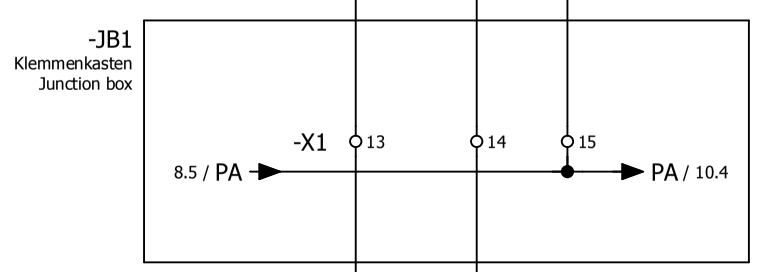
0	1	2	3	4	5	6	7	8	9

Ölanlage Gebläse
oil unit Blower

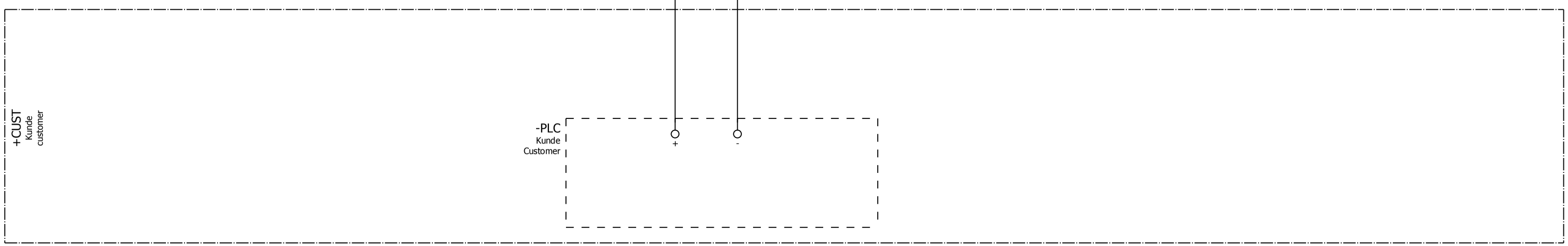
Öltemperatur
oil temperature



Klemmenkasten
Junction box



Kunde
Customer



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			Date	09.07.2019	Aerzener Maschinenfabrik GmbH	ELOG Elektrotechnik GmbH Schaumburg	Öltemperatur oil temperature	Job number 2019-183-1-SP02	= GQ
			Ed.	OIMa	Instrumentengerüst Einheit Instrumentation rack Unit				+ OIL.BM
			Appr					GQ	Page 9
Modification	Date	Name	Original		ePLAN-Version 2.7.3				Pages 16

0	1	2	3	4	5	6	7	8	9

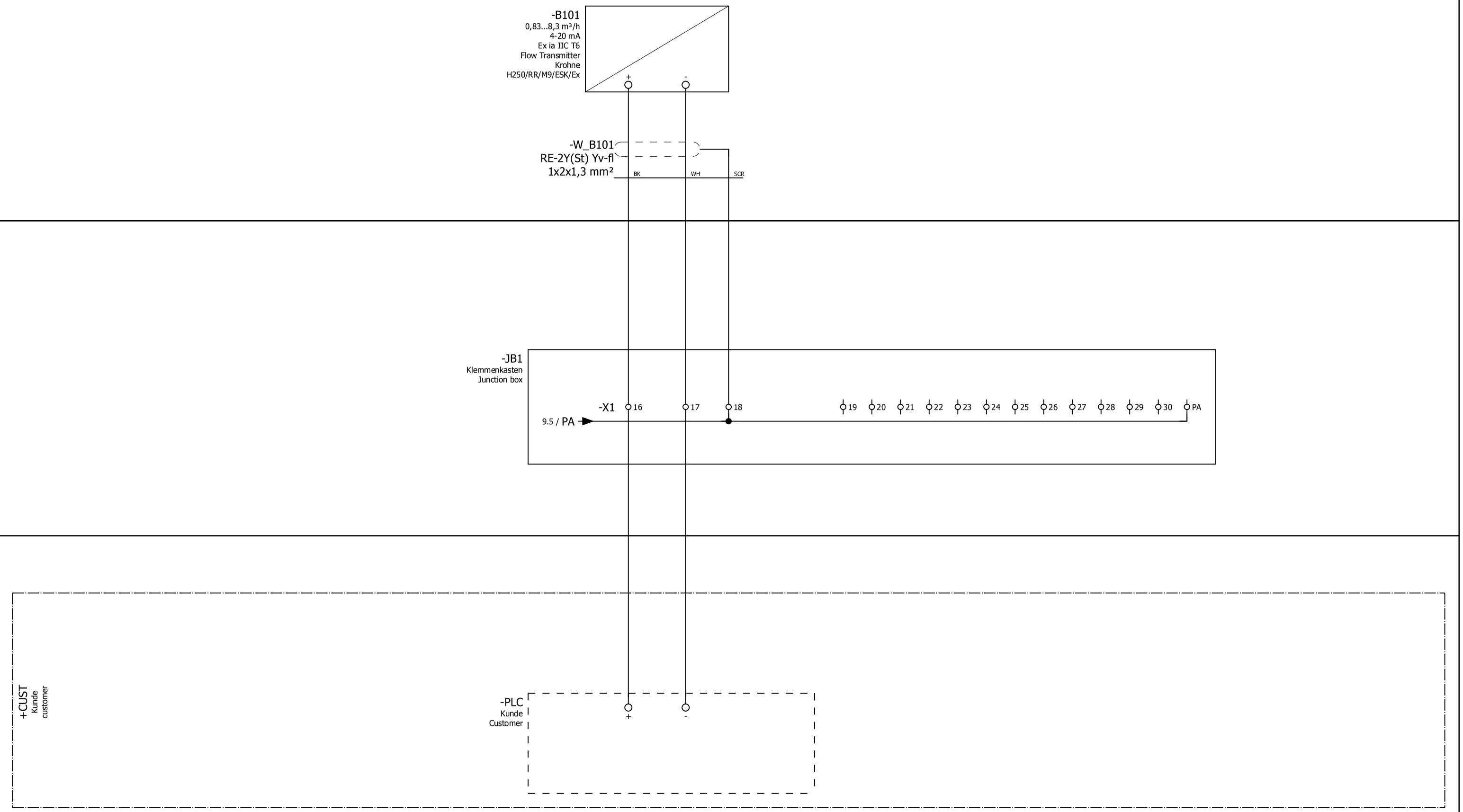
Ölanlage Gebläse
oil unit Blower

Klemmenkasten
Junction box

Kunde
Customer

Durchfluss Kühlwasserauslass Ölkühler
Flow cooling water outlet oil cooler

Reserve
Spare



9

+TS/1

			Date	09.07.2019	Aerzener Maschinenfabrik GmbH	ELOG Elektrotechnik GmbH Schaumburg	Durchfluss Kühlwasserauslass Ölkühler Flow cooling water outlet oil cooler	Job number 2019-183-1-SP02	= GQ
			Ed.	OlMa	Instrumentengerüst Einheit Instrumentation rack Unit				+ OIL.BM
			Appr					GQ	Page 10
Modification	Date	Name	Original		ePLAN-Version 2.7.3				Pages 16

Terminal diagram

F13_JODR2

function text	Cable name	cable type	Strip =GQ+OIL.BM-JB1-X1 Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name	cable type	-W_B61 RE-2Y(St) Yv-fl	-W_B71 RE-2Y(St) Yv-fl	-W_B81 RE-2Y(St) Yv-fl	-W_B91 RE-2Y(St) Yv-fl	Page / column
Niveauschalter Öltank level switch oil-vessel			+CUST-PLC	+	1		-B61	1			BK1				/6.4
=			+CUST-PLC	-	2		-B61	2			WH1				/6.5
=					3										/6.5
=			+CUST-PLC	+	4		-B61	4			BK2				/6.5
=			+CUST-PLC	-	5		-B61	5			WH2				/6.5
=					6						SCR				/6.6
Differenzdruck Ölfilter differential pressure oil filter			+CUST-PLC	+	7		-B71	+				BK			/7.4
=			+CUST-PLC	-	8		-B71	-				WH			/7.4
=					9							SCR			/7.5
Öldruck oil-pressure			+CUST-PLC	+	10		-B81	+					BK		/8.4
=			+CUST-PLC	-	11		-B81	-					WH		/8.4
=					12								SCR		/8.5
Öltemperatur oil temperature			+CUST-PLC	+	13		-B91	+						BK	/9.4
=			+CUST-PLC	-	14		-B91	-						WH	/9.4
=					15									SCR	/9.5

Terminal diagram

F13_JODR2

function text	Cable name	cable type	Strip =GQ+OIL.BM-JB1-X1 Target designation	Connection point	terminal	jumper	Target designation	Connection point	Cable name	cable type	-W_B101 RE-2Y(St) Yv-fl	Page / column
Durchfluss Kühlwasserauslass Ölkühler Flow cooling water outlet oil cooler			+CUST-PLC	+	16		-B101	+			BK	/10.4
=			+CUST-PLC	-	17		-B101	-			WH	/10.4
=					18						SCR	/10.5
Reserve Spare					19							/10.5
=					20							/10.6
=					21							/10.6
=					22							/10.6
=					23							/10.6
=					24							/10.6
=					25							/10.7
=					26							/10.7
=					27							/10.7
=					28							/10.7
=					29							/10.7
=					30							/10.8
=					PA							/10.8

1

+BOM/1

			Date	09.07.2019	Aerzener Maschinenfabrik GmbH	ELOG Elektrotechnik GmbH Schaumburg	Klemmenplan =GQ+OIL.BM-JB1-X1 Terminal diagram =GQ+OIL.BM-JB1-X1	Job number 2019-183-1-SP02	= GQ
			Ed.	OlMa	Instrumentengerüst Einheit Instrumentation rack Unit				+ TS
			Appr					GQ	Page 1.1
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Parts list

F01_ELOG_001

Device tag	Quantity	designation	Type number	supplier	order number
+OIL.BM-JB1	1	Terminal box Ex i	8146/2S71	R. Stahl Schaltgeräte GmbH	8146/2S71

+TS/1.1

+CAB/1

			Date	09.07.2019	Aerzener Maschinenfabrik GmbH	ELOG Elektrotechnik GmbH Schaumburg	Artikelstückliste : STAHL.8146/2S71 - STAHL.8146/2S71 Parts list : STAHL.8146/2S71 - STAHL.8146/2S71	Job number 2019-183-1-SP02	= GQ
			Ed.	OlMa	Instrumentengerüst Einheit Instrumentation rack Unit				+ BOM
			Appr					GQ	Page 1
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Cable overview

F10_001

Cable name	Source (from)	Target (to)	cable type	all conductors	Conductors used	Cross-section [mm]	Length [m]	function text	Graphical page of cable diagram
+OIL.BM-W_B61	+OIL.BM-B61	+OIL.BM-JB1-X1	RE-2Y(St) Yv-fl	2x2	4	1,3 mm²		Niveauschalter Öltank level switch oil-vessel	
+OIL.BM-W_B71	+OIL.BM-JB1-X1	+OIL.BM-B71	RE-2Y(St) Yv-fl	1x2	2	1,3 mm²		Differenzdruck Ölfilter differential pressure oil filter	
+OIL.BM-W_B81	+OIL.BM-JB1-X1	+OIL.BM-B81	RE-2Y(St) Yv-fl	1x2	2	1,3 mm²		Öldruck oil-pressure	
+OIL.BM-W_B91	+OIL.BM-JB1-X1	+OIL.BM-B91	RE-2Y(St) Yv-fl	1x2	2	1,3 mm²		Öltemperatur oil temperature	
+OIL.BM-W_B101	+OIL.BM-JB1-X1	+OIL.BM-B101	RE-2Y(St) Yv-fl	1x2	2	1,3 mm²		Durchfluss Kühlwasserauslass Ölkühler Flow cooling water outlet oil cooler	
+OIL.BM-W_R91	+OIL.BM-B91	+OIL.BM-R91	RE-2Y(St)Yv-fl	1x3	3	1,3 mm²		Öltemperatur oil temperature	

+BOM/1