CHAPTER 10

SCHEMATIC / PARTS LISTS / SPARE PARTS LISTS

UNINTERRUPTIBLE POWER SUPPLY (UPS), Type: PEW 1060-220/220-EN

TABLE OF CONTENTS:

	Revision 1 (A)	Revision 2 (B)	Revision 3 (C)	Revision 4 (D)	Revision 5 (E)	Revision 6 (F)	Revision 7 (G)
prepared: Dat./Vis.	10-11-11 mp						
approved: Dat./Vis.	10-11-11 HLU						
released: Dat./Vis.	10-11-11						

arised from: 7RA9005GB

Client Ref.: - - -

GUTOR by Schneider Electric

GUTOR Electronic LLC
Wettingen / Switzerland

4A-1100322002/20GB | Rev. 1 | Page 1 / 1

Q.630.0153B4

GUTOR

by Schneider Electric

RESPECT PROTECTIVE NOTE ISO 16016

DOCUMENT TITLE : 1100322002/00

CLIENT : QINGDAO HENGHUA

PROJECT NAME : SHANDONG HAIHUA THERMAL PP

P. O. : HB03-10111

APPLICABLE FOR :

EQUIPMENT No. :

TYPE :
PEW 1060-220/220-EN

REV.	DESCRIPTION	DATE	NAME			SUBST. FOR :	INT. CNT. :
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				CHECK	HLU		

GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN
GENERAL
COVER SHEET

AS BUILT

DOC. NO. 1100322002/00

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DATE 09.08.10 DRAWN WWA
DATE 15.11.10 CHECK HLU
SUBST. FOR :
INT. CNT. :

GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN
GENERAL
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				CHECK	HLU	SUBST. FOR :	INT. CNT. :

GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

GENERAL

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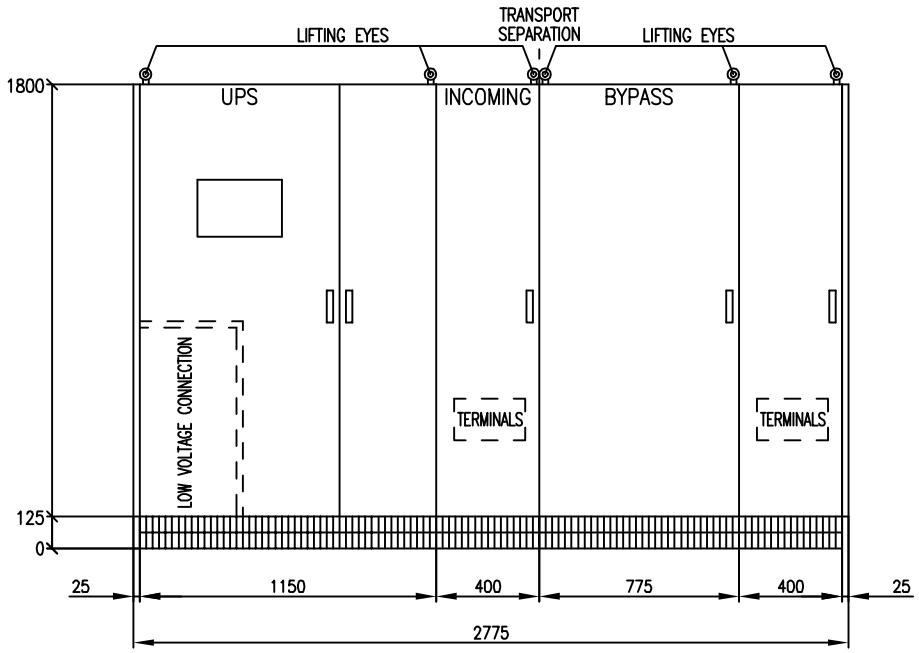
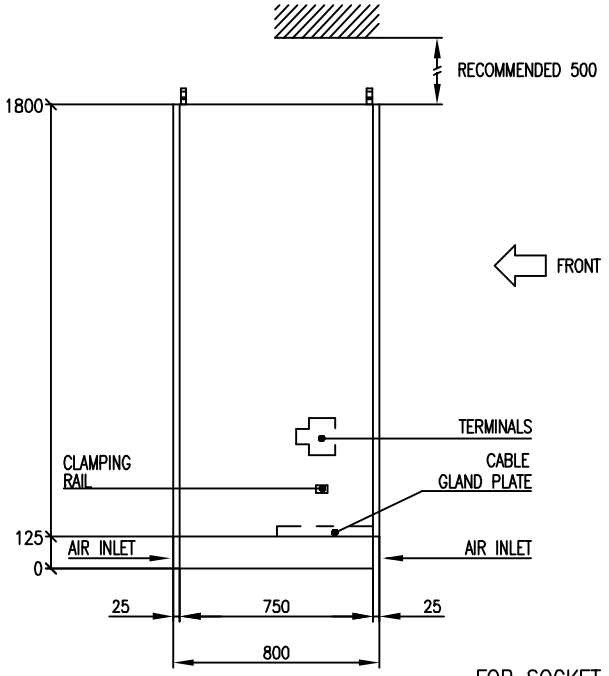
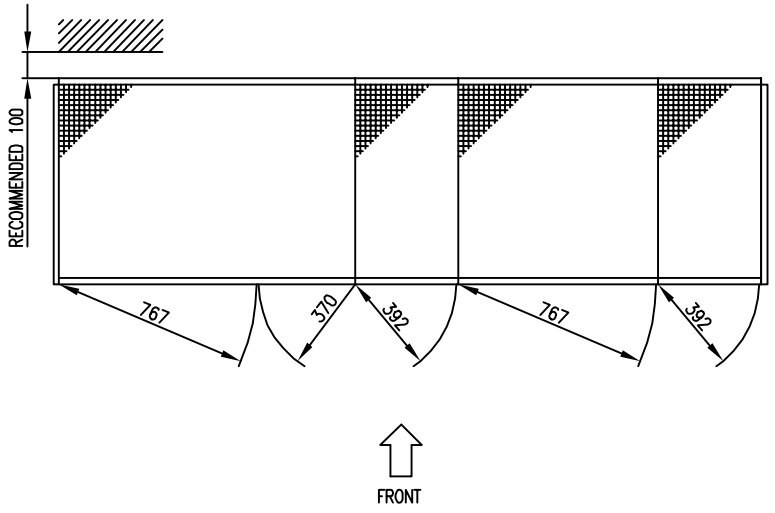
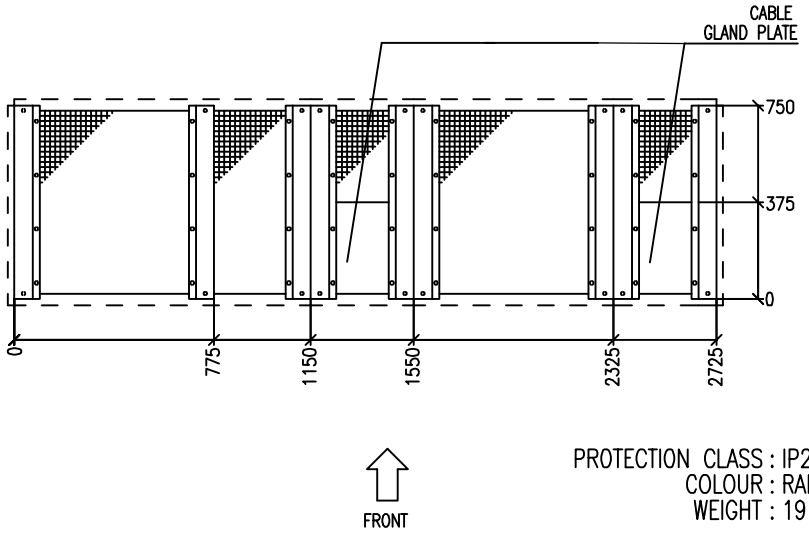




FOR SOCKET DETAIL SEE PAGE 2





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COLOUR : RAL7032
WEIGHT : 1910kg

				DATE	09.08.10		GUTOR by Schneider Electric	TYPE : PEW 1060-220/220-EN	SCALE 1 : 20	ISO 128	AS BUILT
				DRAWN	WWA			LAYOUT			
1		15.11.10	WWA	DATE	15.11.10			GENERAL ARRANGEMENT		DOC. NO. 1100322002/00	CHAPTER 01 PAGE 1/5
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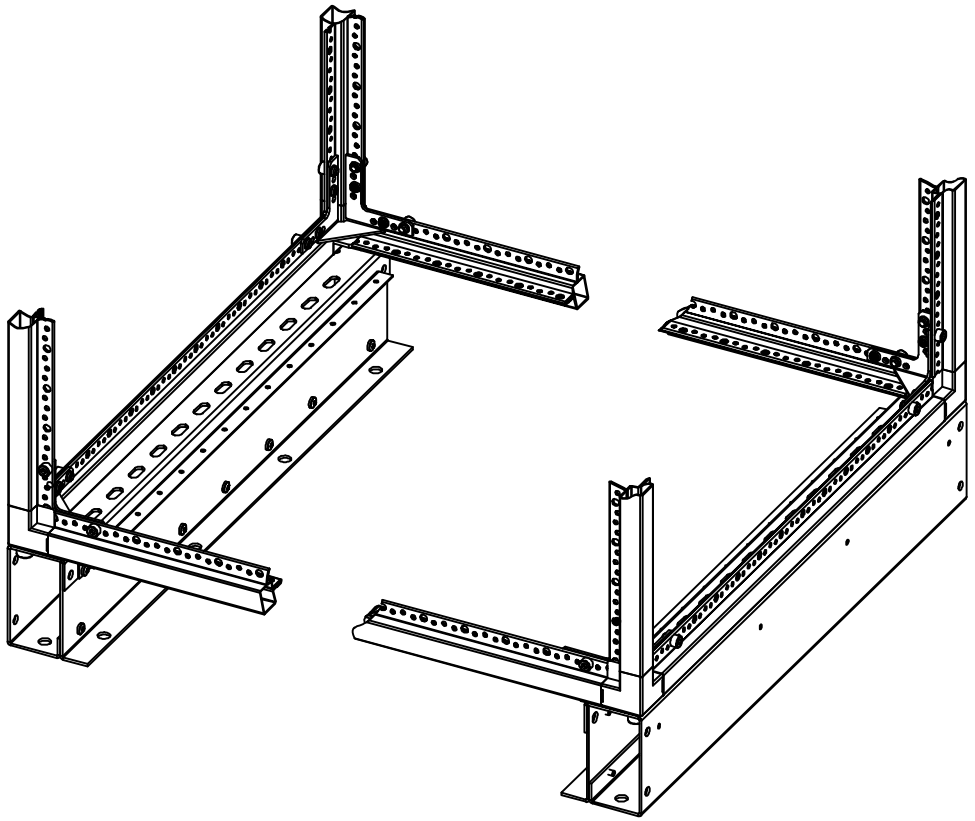

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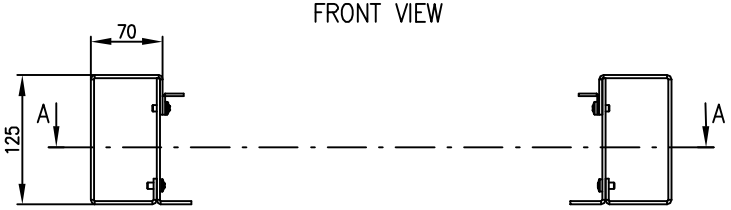

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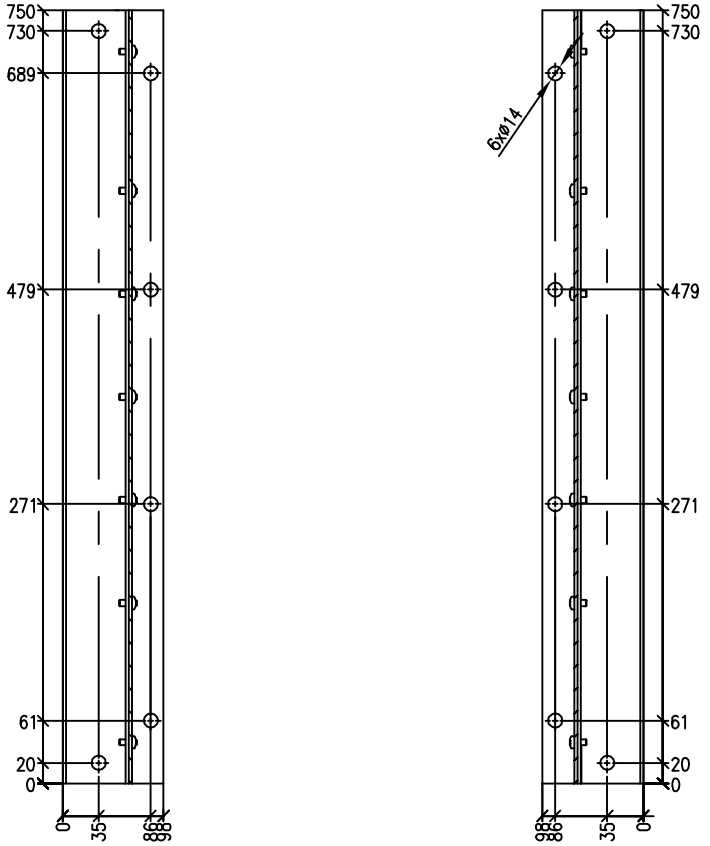

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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

LAYOUT

SOCKET DETAIL

SCALE 1 : 5

AS BUILT

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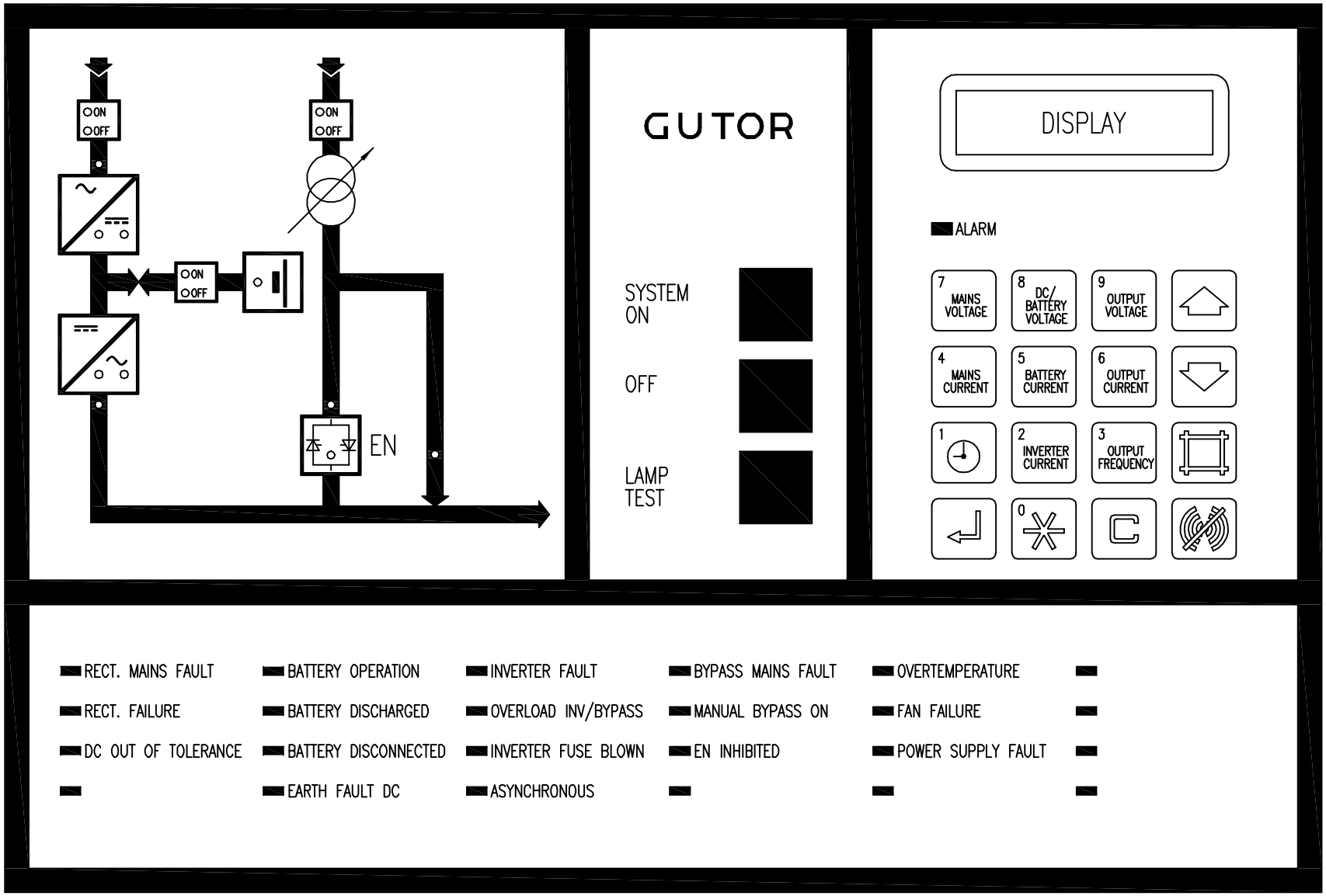

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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

LAYOUT

FRONTVIEW – CONTROL AND MONITORING

AS BUILT

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RESPECT PROTECTIVE NOTE ISO 16016

SYSTEM RATING PLATE

ADHESIVE STICKER
885-4777

GUTOR by Schneider Electric	Schneider (Beijing) Medium Voltage Co.,Ltd Beijing / China							
	UPS							
Type	PEW 1060-220/220-EN					No. 1100322002-01		
Input	3x380	V	148.1	A	AC	50 Hz	97.5 kVA	80.9 kW
Output	1x220	V	272.7	A	AC	50 Hz	60.0 kVA	48.0 kW
885-4777	IP20		Year 2010					
	Refer to Operating Instructions for further details							

ADHESIVE STICKER
885-4777

GUTOR by Schneider Electric	Schneider (Beijing) Medium Voltage Co.,Ltd Beijing / China						
	BYPASS						
Type	PEW 1060-220/220-EN					No. 1100322002-02	
Input		V		A	AC	Hz	kVA	kW
Output		V		A	AC	Hz	kVA	kW
885-4777	IP20		Year 2010				
	Refer to Operating Instructions for further details						

REV.	DESCRIPTION	DATE	NAME
			DATE 09.08.10
			DRAWN WWA
1		15.11.10	WWA DATE 15.11.10
			CHECK HLU

SUBST. FOR :

INT. CNT. :

GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

LAYOUT

NAMEPLATES AND LIST OF LABELS

AS BUILT

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SYSTEM LABEL

☒ BLACK LETTERING ON A WHITE BACKGROUND
4628.800

☐ WHITE LETTERING ON A BLACK BACKGROUND
4628.801

RESPECT PROTECTIVE NOTE ISO 16016

UPS

INCOMING

BYPASS

REV.	DESCRIPTION	DATE	NAME			SUBST. FOR :	INT. CNT. :
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1		15.11.10	WWA	DATE	15.11.10		
				CHECK	HLU		

GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

LAYOUT
NAMEPLATES AND LIST OF LABELS

AS BUILT

DOC. NO. 1100322002/00

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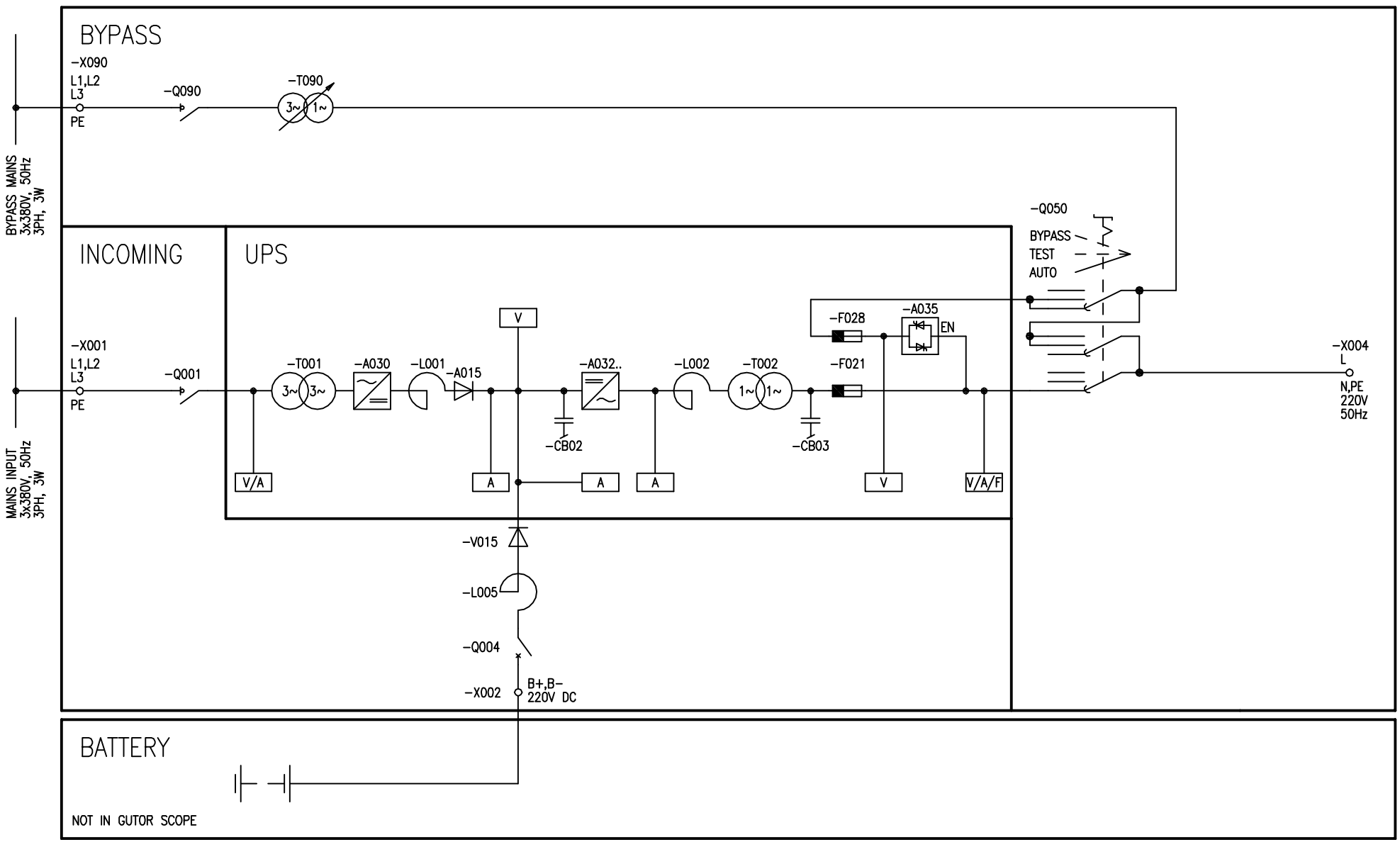
V/A/F MEASUREMENTS TO BE READ ON THE DISPLAY



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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

SINGLE LINE DIAGRAM

UPS

AS BUILT

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RESPECT PROTECTIVE NOTE ISO 16016

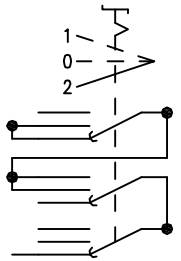
MOULDED CASE CIRCUIT BREAKER

LOAD BREAKING SWITCH

GROUNDING LINK

FUSE

CONTACTOR



3 POSITION SWITCH

6 PULSE TRANSFORMER

STABILIZER

CHOKE

CAPACITOR

BLOCKING DIODE

L1,L2
L3
PE

TERMINALS

BATTERY

SURGE PROTECTIVE DEVICE

EARTH

A

DIGITAL METER
A = AMMETER
V = VOLTMETER
Hz = FREQUENCY METER
W = WATTMETER
cos = POWER FACTOR METER

V/A/F

MEASUREMENTS TO BE READ ON THE DISPLAY
A = AMMETER
V = VOLTMETER
Hz = FREQUENCY METER

RECTIFIER

INVERTER

STATIC SWITCH

27	UNDERVOLTAGE RELAY
37	UNDERCURRENT RELAY
59	OVERVOLTAGE RELAY
51	OVERCURRENT RELAY
49	THERMAL RELAY
25	SYNCHRONIZING CHECK RELAY
ELR	EARTH LEAKAGE RELAY
EF	EARTH FAULT RELAY
SCR	SYNCHRO CHECK RELAY

EQUIPMENT CODE

CODE	DESCRIPTION
A	ASSEMBLIES , VARIOUS BOARDS
B	SENSOR , FIRE DETECTOR
C	CAPACITOR , STORAGE DEVICES
F	FUSE , PROTECTION DEVICES
G	GENERATOR
H	SIGNAL LAMP , LIGHTING
K	CONTACTOR , RELAY , FILTER
M	MOTOR
P	DISPLAY UNIT
Q	SWITCHING DEVICES FOR POWER CIRCUIT
R	RESISTOR
S	SELECTOR SWITCH , CONTROL SWITCHES
T	CONVERTER , TRANSFORMER , TRANSDUCER
W	BUS BAR
X	TERMINALS , PLUGS

REV.	DESCRIPTION	DATE	NAME			SUBST. FOR :	INT. CNT. :
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				DRAWN	WWA		
1		15.11.10	WWA	DATE	15.11.10		
				CHECK	HLU		

GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

SINGLE LINE DIAGRAM
LEGEND

AS BUILT

DOC. NO. 1100322002/00

CHAPTER 03 PAGE 2/2

TERMINAL LEGEND

POWER TERMINAL INFORMATION X001/X002/X004 & X090					
CURRENT	SIZE	TYPE	BOLT	CABLE	DIMENSION
UP TO 115A	35mm²	BOLT TERMINAL	M6	6–35mm²	
UP TO 185A	70mm²	BOLT TERMINAL	M8	35–70mm²	
UP TO 265A	120mm²	BOLT TERMINAL	M10	70–120mm²	
UP TO 350A	185mm²	BOLT TERMINAL	M12	120–185mm²	
UP TO 500A	300mm²	BOLT TERMINAL	M16	185–300mm²	
UP TO 440A	2x240mm²	CU-BAR	M12	2x240mm²	DETAIL A
UP TO 800A	4x240/2x300mm²	CU-BAR	M12/16	4x240/2x300mm²	DETAIL B
UP TO 1200A	8x240/4x300mm²	CU-BAR	M12/16	8x240/4x300mm²	DETAIL C

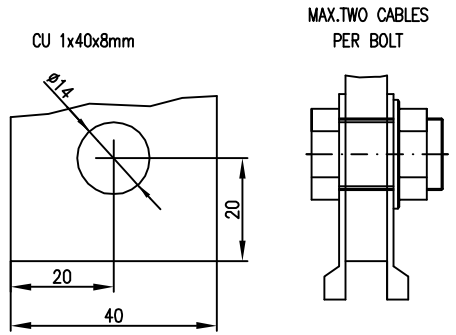
DISTRIBUTION TERMINALS INFORMATION			
CURRENT	SIZE	TYPE	CABLE
UP TO 41A	6mm²	FEEDTHROUGH TERMINAL	0.5–6mm²
UP TO 57A	10mm²	FEEDTHROUGH TERMINAL	1.5–16mm²
UP TO 76A	16mm²	FEEDTHROUGH TERMINAL	1.5–16mm²
UP TO 115A	35mm²	FEEDTHROUGH TERMINAL	2.5–35mm²
UP TO 192A	70mm²	FEEDTHROUGH TERMINAL	10–70mm²
UP TO 269A	120mm²	FEEDTHROUGH TERMINAL	16–120mm²

CONTROL TERMINALS	
SIZE	TYPE
2.5mm²	FEEDTHROUGH TERMINAL
4mm²	FEEDTHROUGH TERMINAL

INFORMATION GENERAL EARTH
IF NO INDIVIDUAL EARTH TERMINAL IS AVAILABLE, THEN THE PE CONDUCTORS OF THE CABLES SHALL BE CONNECTED TO THE GENERAL EARTH BAR

RESPECT PROTECTIVE NOTE ISO 16016

DIMENSION : DETAIL A



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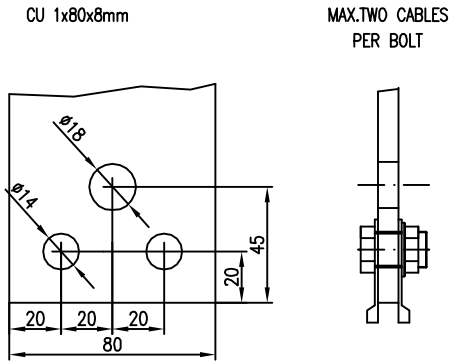

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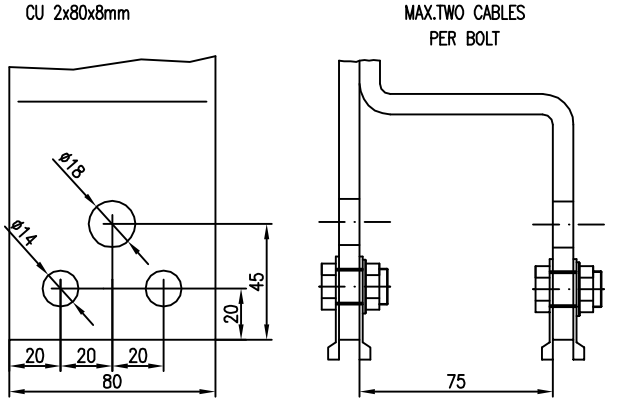

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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

CONNECTION DIAGRAM

TERMINAL LEGEND

AS BUILT

DOC. NO. 1100322002/00

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RESPECT PROTECTIVE NOTE ISO 16016

TERMINAL INFORMATION :

SIZE	CURRENT A	TYPE
70mm²	UP TO 185A	M8 BOLT TERMINAL
70mm²	UP TO 185A	M8 BOLT TERMINAL
70mm²	UP TO 185A	M8 BOLT TERMINAL
		EARTH BAR

CHAPTER : =05
TERMINALS : -X001

TERMINALS DESCRIPTION	PAGE	TERMINAL
MAINS INPUT 3x380V,50Hz 3PH, 3W	1.1F	X001:L1
	1.1F	X001:L2
	1.2F	X001:L3
	1.2F	X001:PE

CUSTOMER :

NOTES

REV.	DESCRIPTION	DATE	NAME			SUBST. FOR :	INT. CNT. :
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				DRAWN	WWA		
1		15.11.10	WWA	DATE	15.11.10		
				CHECK	HLU		

GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

CONNECTION DIAGRAM
-X001 / MAINS INPUT

AS BUILT

DOC. NO. 1100322002/00

CHAPTER 04 PAGE 2/9

RESPECT PROTECTIVE NOTE ISO 16016

TERMINAL INFORMATION :

CHAPTER : =05
TERMINALS : -X002

CUSTOMER :

SIZE	CURRENT A	TYPE	TERMINALS DESCRIPTION	PAGE	TERMINAL	NOTES
2x240mm²	UP TO 440A	M12 CU-BAR	BATTERY INPUT 220V DC	5.4	X002:B+	
2x240mm²	UP TO 440A	M12 CU-BAR		5.5	X002:B-	

REV.	DESCRIPTION	DATE	NAME	
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1		15.11.10	WWA	DATE 15.11.10
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SUBST. FOR :

INT. CNT. :

GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

CONNECTION DIAGRAM
-X002 / BATTERY INPUT

AS BUILT

DOC. NO. 1100322002/00

CHAPTER 04 PAGE 3/9

RESPECT PROTECTIVE NOTE ISO 16016

CHAPTER : =05
EXT.CONN.BOARD : -A025

TYPE	CONNECTION
2.5mm²	FEEDTHROUGH TERMINAL

TERMINAL DESCRIPTION	PAGE	TERMINAL	DESCRIPTION
COMMON ALARM	17.1	-X001:11	
COMMON ALARM (NC)	17.1	-X001:12	
COMMON ALARM (NO)	17.2	-X001:14	
COMMON ALARM	17.2	-X002:21	
COMMON ALARM (NC)	17.2	-X002:22	
COMMON ALARM (NO)	17.2	-X002:24	
BATTERY OPERATION	17.3	-X003:31	
BATTERY OPERATION (NC)	17.3	-X003:32	
BATTERY OPERATION (NO)	17.3	-X003:34	
EXT. CONTACT BYPASS	17.4	-X004:41	
EXT. CONTACT BYPASS (NC)	17.4	-X004:42	
EXT. CONTACT BYPASS (NO)	17.4	-X004:44	
REMOTE (ON)	17.4	-X005:1	
REMOTE (OFF)	17.5	-X005:2	
REMOTE (GND)	17.5	-X005:3	
NOT USED	17.7	-X006:1	
NOT USED	17.7	-X006:2	
NOT USED	17.7	-X006:3	INTERNAL CONNECTION TO EXT.CONN.BOARD -A025 -X006:4
NOT USED	17.7	-X006:4	INTERNAL CONNECTION TO EXT.CONN.BOARD -A025 -X006:3
TEMPERATURE	17.7	-X007:1	INTERNAL CONNECTION TO EXT.CONN.BOARD -A025 -X007:2
TEMPERATURE	17.7	-X007:2	INTERNAL CONNECTION TO EXT.CONN.BOARD -A025 -X007:1
TEMP.COMP. (+)	17.8	-X007:3	
TEMP.COMP. (-)	17.8	-X007:4	
NOT USED	17.5	-X008:1	
NOT USED	17.5	-X008:2	
NOT USED	17.5	-X008:3	
NOT USED	17.6	-X008:4	
NOT USED	17.6	-X009:1	
NOT USED	17.6	-X009:2	
NOT USED	17.6	-X009:3	
NOT USED	17.6	-X009:4	
NOT USED	17.6	-X011:1	
NOT USED	17.6	-X011:2	
NOT USED	17.6	-X011:3	
NOT USED	17.7	-X011:4	

REV.	DESCRIPTION	DATE	NAME	
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SUBST. FOR :

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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

CONNECTION DIAGRAM
-A025 EXT.CONN.BOARD

AS BUILT

DOC. NO. 1100322002/00

CHAPTER 04 PAGE 4/9

CHAPTER : =05

DATA CONVERTER : -A075

TYPE	CONNECTION
2.5mm²	FEEDTHROUGH TERMINAL

TERMINAL DESCRIPTION	PAGE	TERMINAL	DESCRIPTION
RS485	14.7	-J1:G	
	14.7	-J1:RX+	
	14.7	-J1:RX-	
	14.7	-J1:TX+	
	14.7	-J1:TX-	

RESPECT PROTECTIVE NOTE ISO 16016

REV.	DESCRIPTION	DATE	NAME				
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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

CONNECTION DIAGRAM

-A075 DATA CONVERTER : RS485

AS BUILT

DOC. NO. 1100322002/00

CHAPTER 04 PAGE 5/9

CHAPTER : =05

RELAY BOARD : -A077

TYPE	CONNECTION
2.5mm²	FEEDTHROUGH TERMINAL

TERMINAL DESCRIPTION	PAGE	TERMINAL	DESCRIPTION
RECTIFIER MAINS FAULT	18.2	X001:011	
RECTIFIER MAINS FAULT (NC)	18.2	X001:012	
RECTIFIER MAINS FAULT (NO)	18.2	X001:014	
DC OUT OF TOLERANCE	18.2	X002:021	
DC OUT OF TOLERANCE (NC)	18.3	X002:022	
DC OUT OF TOLERANCE (NO)	18.3	X002:024	
RECTIFIER FUSE BLOWN	18.3	X003:031	
RECTIFIER FUSE BLOWN (NC)	18.4	X003:032	
RECTIFIER FUSE BLOWN (NO)	18.4	X003:034	
BATTERY DISCHARGED	18.4	X004:041	
BATTERY DISCHARGED (NC)	18.4	X004:042	
BATTERY DISCHARGED (NO)	18.5	X004:044	
EARTH FAULT DC	18.5	X005:051	
EARTH FAULT DC (NC)	18.5	X005:052	
EARTH FAULT DC (NO)	18.6	X005:054	
INVERTER FUSE BLOWN	18.6	X006:061	
INVERTER FUSE BLOWN (NC)	18.6	X006:062	
INVERTER FUSE BLOWN (NO)	18.6	X006:064	
BYPASS MAINS FAULT	18.7	X007:071	
BYPASS MAINS FAULT (NC)	18.7	X007:072	
BYPASS MAINS FAULT (NO)	18.7	X007:074	
OVERTEMPERATURE	18.8	X008:081	
OVERTEMPERATURE (NC)	18.8	X008:082	
OVERTEMPERATURE (NO)	18.8	X008:084	
FAN FAILURE	19.2	X009:091	
FAN FAILURE (NC)	19.2	X009:092	
FAN FAILURE (NO)	19.2	X009:094	
POWER SUPPLY FAULT	19.2	X010:101	
POWER SUPPLY FAULT (NC)	19.3	X010:102	
POWER SUPPLY FAULT (NO)	19.3	X010:104	
OPTION 2	19.3	X011:111	
OPTION 2 (NC)	19.4	X011:112	
OPTION 2 (NO)	19.4	X011:114	
OPTION 3	19.4	X012:121	
OPTION 3 (NC)	19.4	X012:122	
OPTION 3 (NO)	19.5	X012:124	
OPTION 4	19.5	X013:131	
OPTION 4 (NC)	19.5	X013:132	
OPTION 4 (NO)	19.6	X013:134	
OPTION 5	19.6	X014:141	
OPTION 5 (NC)	19.6	X014:142	
OPTION 5 (NO)	19.6	X014:144	
OPTION 6	19.7	X015:151	
OPTION 6 (NC)	19.7	X015:152	
OPTION 6 (NO)	19.7	X015:154	
NOT USED	19.8	X016:161	
NOT USED	19.8	X016:162	
NOT USED	19.8	X016:164	

RESPECT PROTECTIVE NOTE ISO 16016

REV.	DESCRIPTION	DATE	NAME
		DATE	09.08.10
		DRAWN	WWA
1		15.11.10	WWA
		DATE	15.11.10
		CHECK	HLU

SUBST. FOR :

INT. CNT. :

GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

CONNECTION DIAGRAM

-A077 RELAY BOARD

AS BUILT

DOC. NO. 1100322002/00

CHAPTER 04 PAGE 6/9

CHAPTER : =05

RELAY BOARD : -A078

TYPE	CONNECTION
2.5mm²	FEEDTHROUGH TERMINAL

TERMINAL DESCRIPTION	PAGE	TERMINAL	DESCRIPTION
EA INHIBITED	20.2	X001:011	
EA INHIBITED (NC)	20.2	X001:012	
EA INHIBITED (NO)	20.2	X001:014	
EN INHIBITED	20.2	X002:021	
EN INHIBITED (NC)	20.3	X002:022	
EN INHIBITED (NO)	20.3	X002:024	
MANUAL BYPASS ON	20.3	X003:031	
MANUAL BYPASS ON (NC)	20.4	X003:032	
MANUAL BYPASS ON (NO)	20.4	X003:034	
ASYNCHRONOUS	20.4	X004:041	
ASYNCHRONOUS (NC)	20.4	X004:042	
ASYNCHRONOUS (NO)	20.5	X004:044	
OVERLOAD INV / BYPASS	20.5	X005:051	
OVERLOAD INV / BYPASS (NC)	20.5	X005:052	
OVERLOAD INV / BYPASS (NO)	20.6	X005:054	
INVERTER FAULT	20.6	X006:061	
INVERTER FAULT (NC)	20.6	X006:062	
INVERTER FAULT (NO)	20.6	X006:064	
BATTERY DISCONNECTED	20.7	X007:071	
BATTERY DISCONNECTED (NC)	20.7	X007:072	
BATTERY DISCONNECTED (NO)	20.7	X007:074	
BATTERY OPERATION	20.8	X008:081	
BATTERY OPERATION (NC)	20.8	X008:082	
BATTERY OPERATION (NO)	20.8	X008:084	
RECTIFIER FAILURE	21.2	X009:091	
RECTIFIER FAILURE (NC)	21.2	X009:092	
RECTIFIER FAILURE (NO)	21.2	X009:094	
EN ON	21.2	X010:101	
EN ON (NC)	21.3	X010:102	
EN ON (NO)	21.3	X010:104	
EA ON	21.3	X011:111	
EA ON (NC)	21.4	X011:112	
EA ON (NO)	21.4	X011:114	
INVERTER ON	21.4	X012:121	
INVERTER ON (NC)	21.4	X012:122	
INVERTER ON (NO)	21.5	X012:124	
BOOST CHARGE ON	21.5	X013:131	
BOOST CHARGE ON (NC)	21.5	X013:132	
BOOST CHARGE ON (NO)	21.6	X013:134	
CHARGER ON	21.6	X014:141	
CHARGER ON (NC)	21.6	X014:142	
CHARGER ON (NO)	21.6	X014:144	
NOT USED	21.7	X015:151	
NOT USED	21.7	X015:152	
NOT USED	21.7	X015:154	
EXTERNAL HORN	21.8	X016:161	
EXTERNAL HORN (NC)	21.8	X016:162	
EXTERNAL HORN (NO)	21.8	X016:164	

RESPECT PROTECTIVE NOTE ISO 16016

REV.	DESCRIPTION	DATE	NAME
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1		15.11.10	WWA
		DATE	15.11.10
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SUBST. FOR :

INT. CNT. :

GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

CONNECTION DIAGRAM

-A078 RELAY BOARD

AS BUILT

DOC. NO. 1100322002/00

CHAPTER 04 PAGE 7/9

RESPECT PROTECTIVE NOTE ISO 16016

TERMINAL INFORMATION :

SIZE	CURRENT A	TYPE
185mm²	UP TO 350A	M12 BOLT TERMINAL
185mm²	UP TO 350A	M12 BOLT TERMINAL
		EARTH BAR

CHAPTER : =07
TERMINALS : -X004

TERMINALS DESCRIPTION	PAGE	TERMINAL
UPS OUTPUT 1x220V, AC	5.4	X004:L
	5.5	X004:N
	5.5	X004:PE

CUSTOMER :

NOTES

REV.	DESCRIPTION	DATE	NAME			SUBST. FOR :	INT. CNT. :
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1		15.11.10	WWA	DATE	15.11.10		
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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

CONNECTION DIAGRAM
-X090 / BYPASS MAINS INPUT

AS BUILT

DOC. NO. 1100322002/00

CHAPTER 04 PAGE 8/9

RESPECT PROTECTIVE NOTE ISO 16016

TERMINAL INFORMATION :

SIZE	CURRENT A	TYPE
120mm²	UP TO 265A	M10 BOLT TERMINAL
120mm²	UP TO 265A	M10 BOLT TERMINAL
120mm²	UP TO 265A	M10 BOLT TERMINAL
		EARTH BAR

CHAPTER : =07
TERMINALS : -X090

TERMINALS DESCRIPTION	PAGE	TERMINAL
BYPASS MAINS 3x380V,AC 50HZ 3PH,3W	1.1F	X090:L1
	1.1F	X090:L2
	1.2F	X090:L3
	1.2F	X090:PE

CUSTOMER :

NOTES

REV.	DESCRIPTION	DATE	NAME	
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				CHECK HLU

SUBST. FOR :

INT. CNT. :

GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

CONNECTION DIAGRAM
-X004 / UPS OUTPUT

AS BUILT

DOC. NO. 1100322002/00

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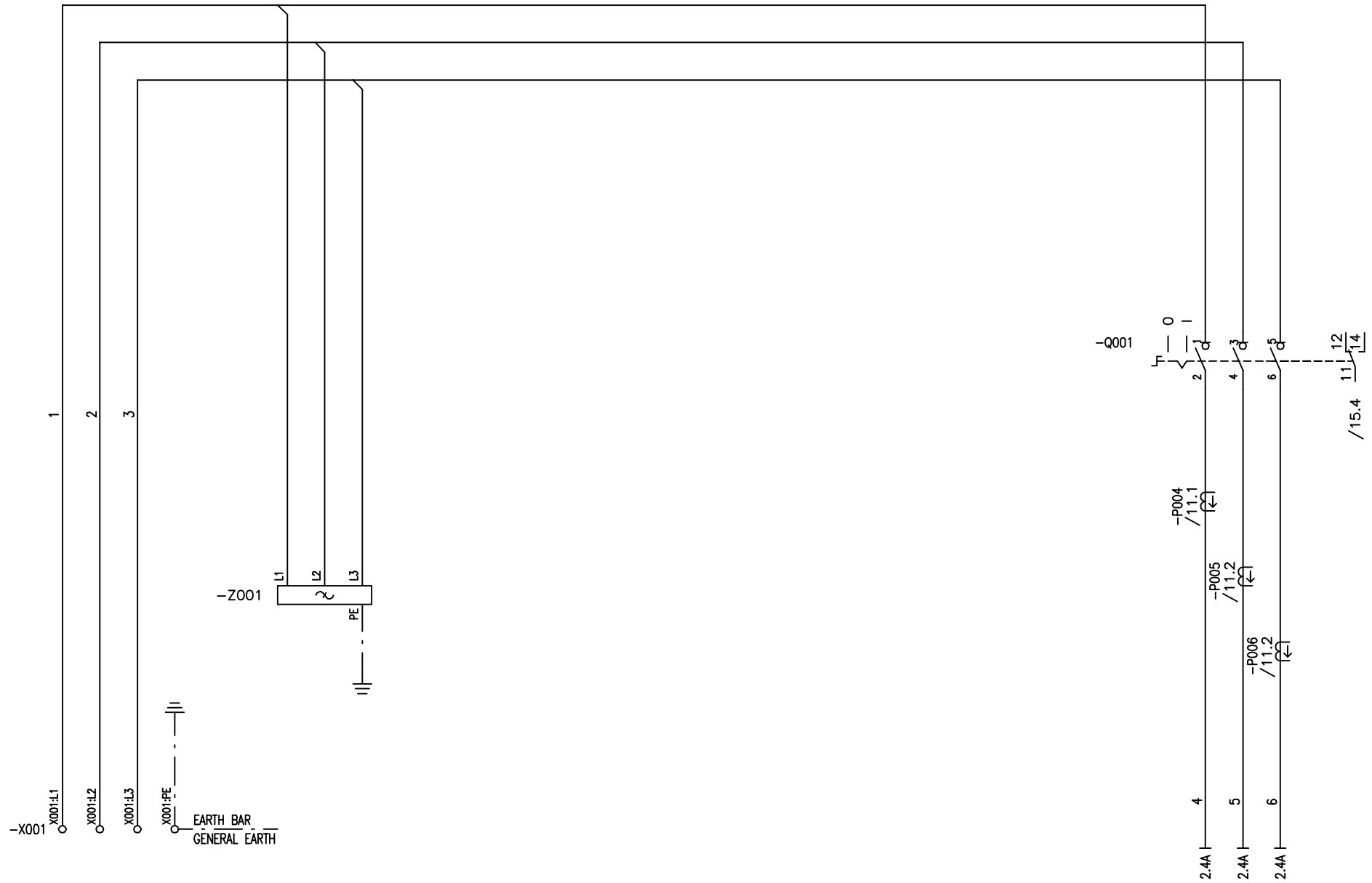

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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

WIRING DIAGRAM

UPS

AS BUILT

DOC. NO. 1100322002/00

CHAPTER 05

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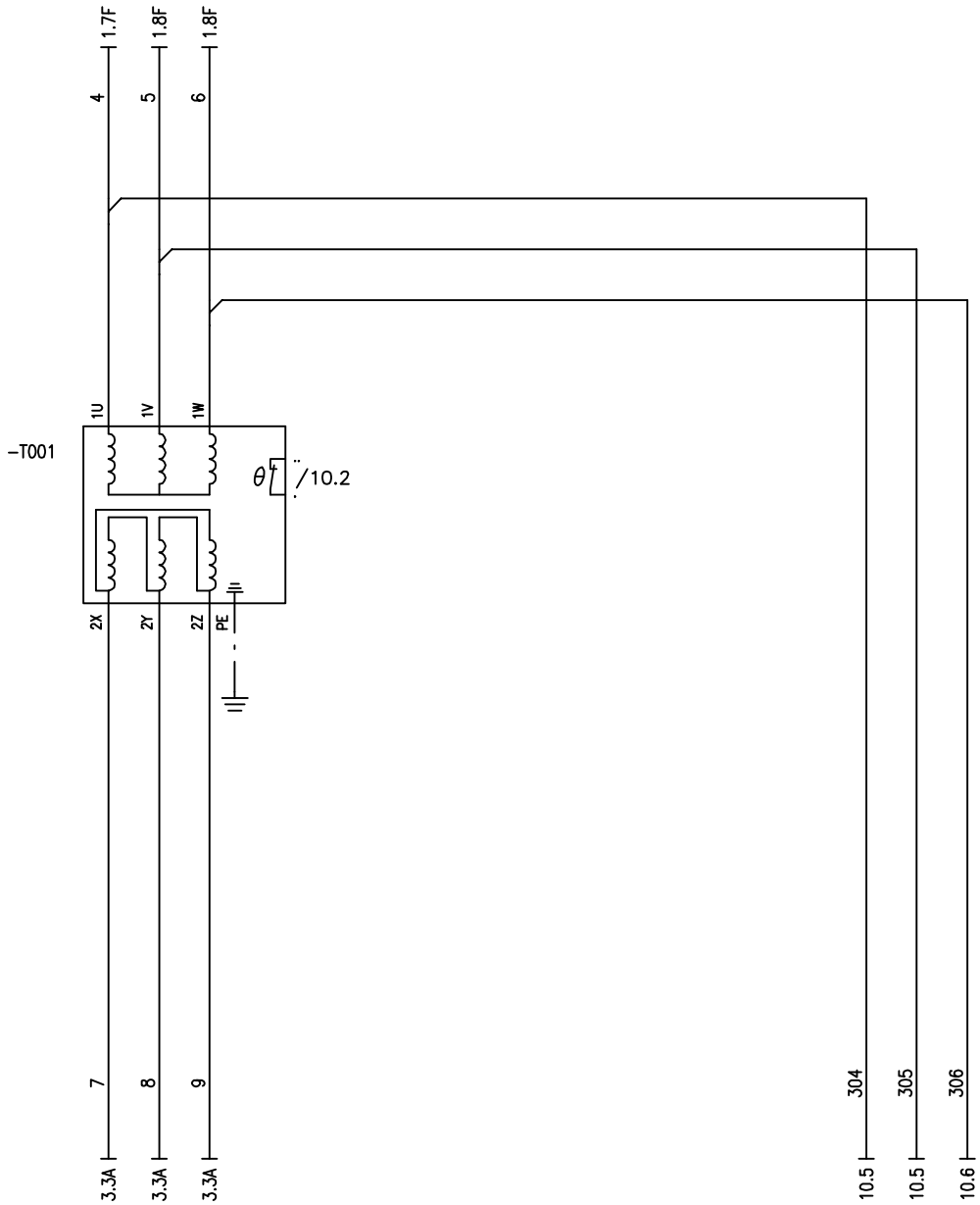
RESPECT PROTECTIVE NOTE ISO 16016



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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

WIRING DIAGRAM

UPS

AS BUILT

DOC. NO. 1100322002/00

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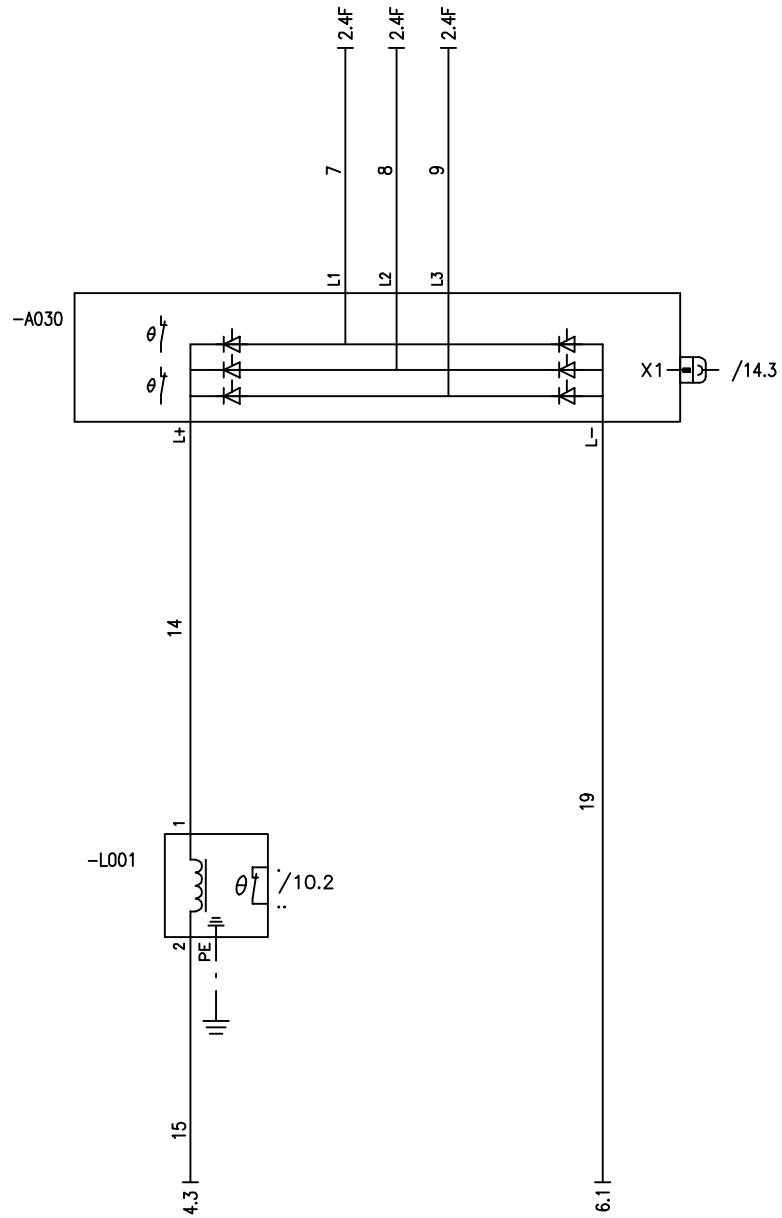
RESPECT PROTECTIVE NOTE ISO 16016



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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

WIRING DIAGRAM

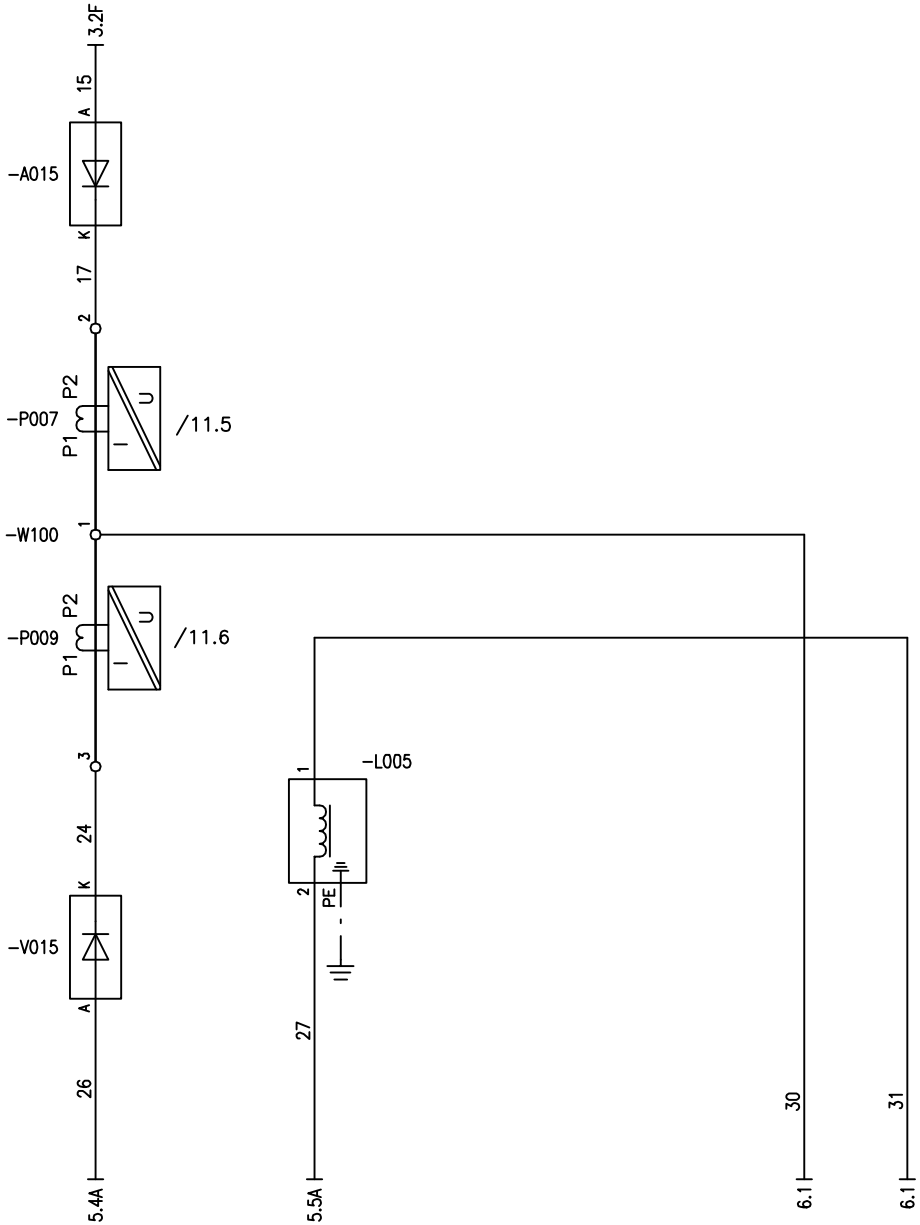
UPS

AS BUILT

DOC. NO. 1100322002/00

CHAPTER 05 PAGE 3/23

RESPECT PROTECTIVE NOTE ISO 16016



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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

WIRING DIAGRAM

UPS

AS BUILT

DOC. NO. 1100322002/00

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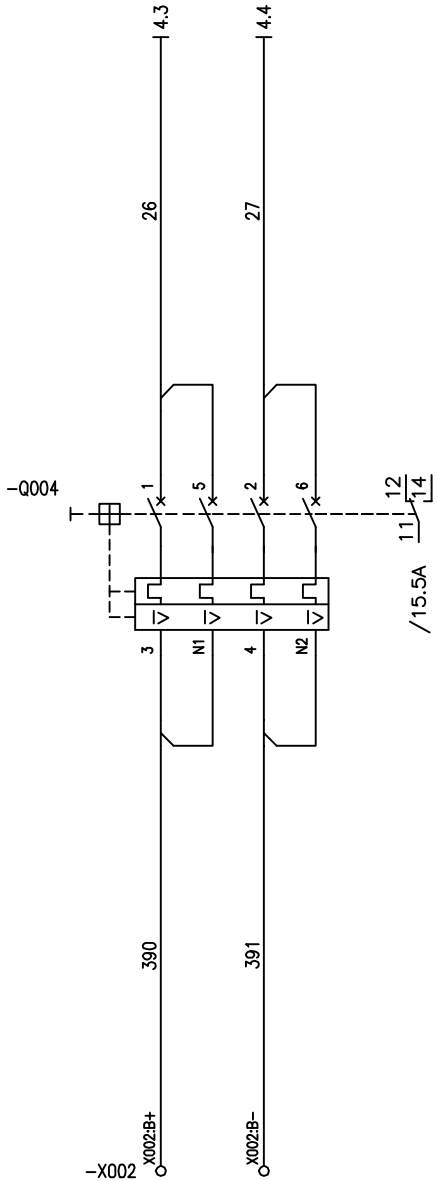
RESPECT PROTECTIVE NOTE ISO 16016



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TYPE : PEW 1060-220/220-EN

WIRING DIAGRAM

UPS

AS BUILT

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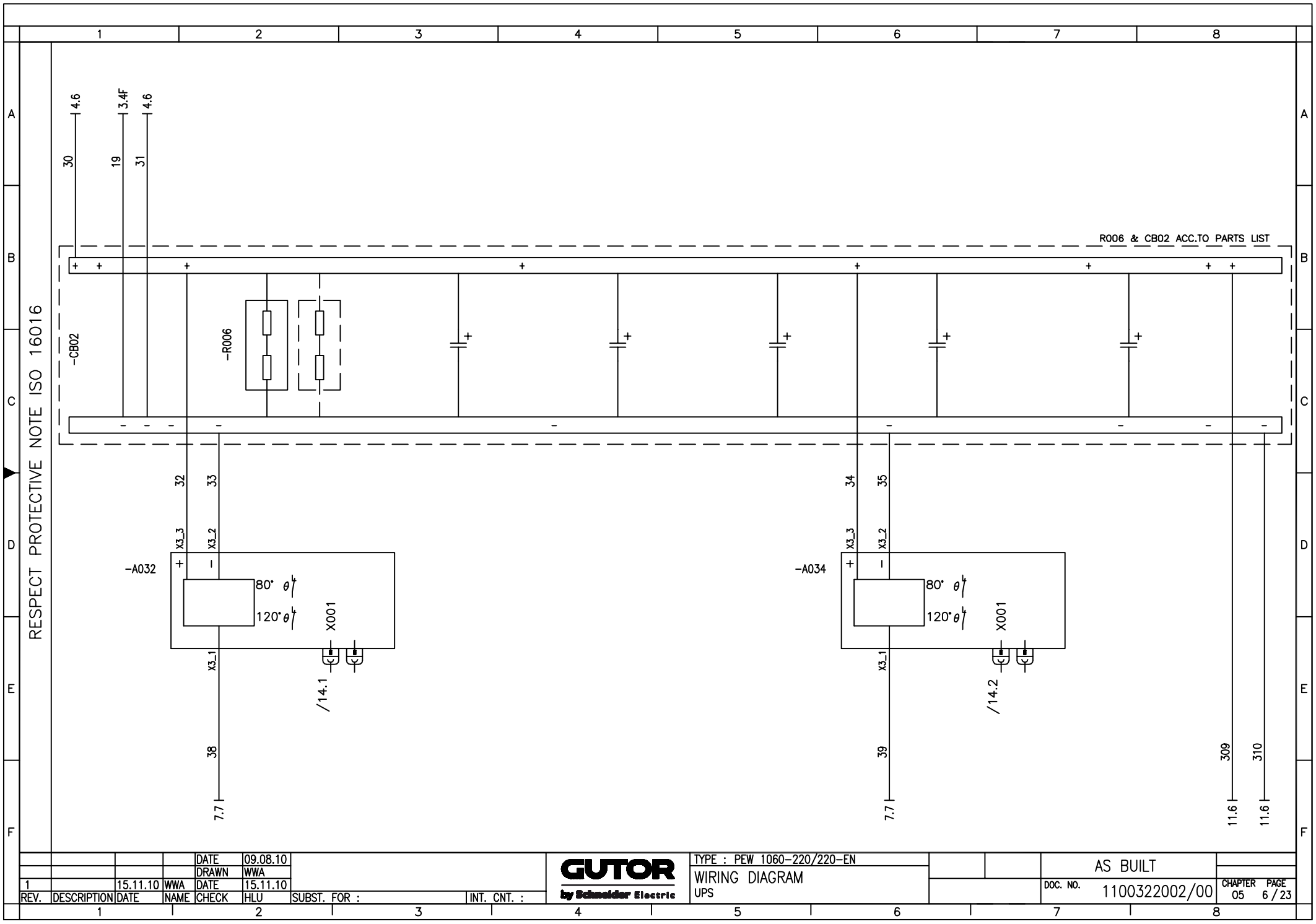

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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

WIRING DIAGRAM

UPS

AS BUILT

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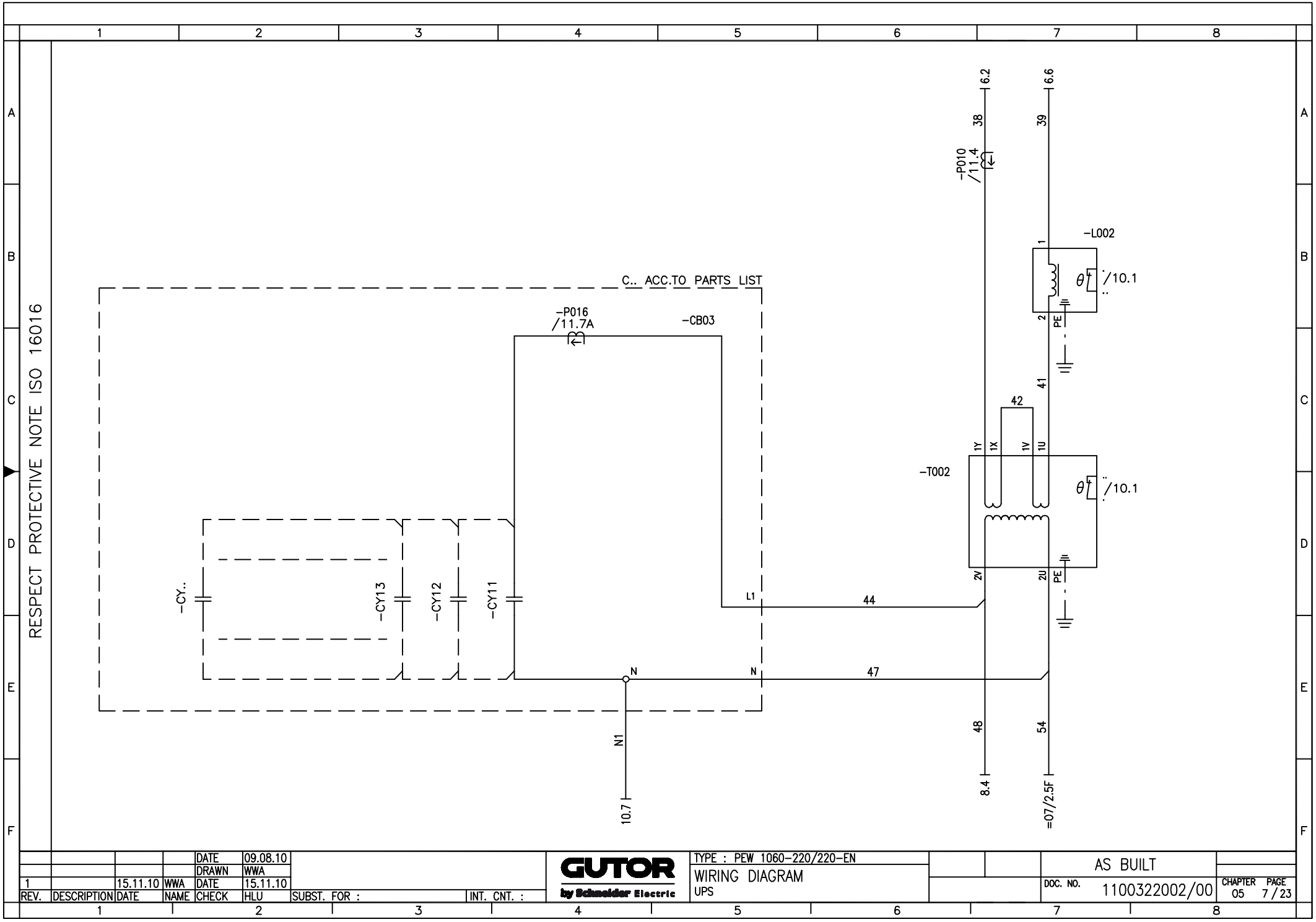

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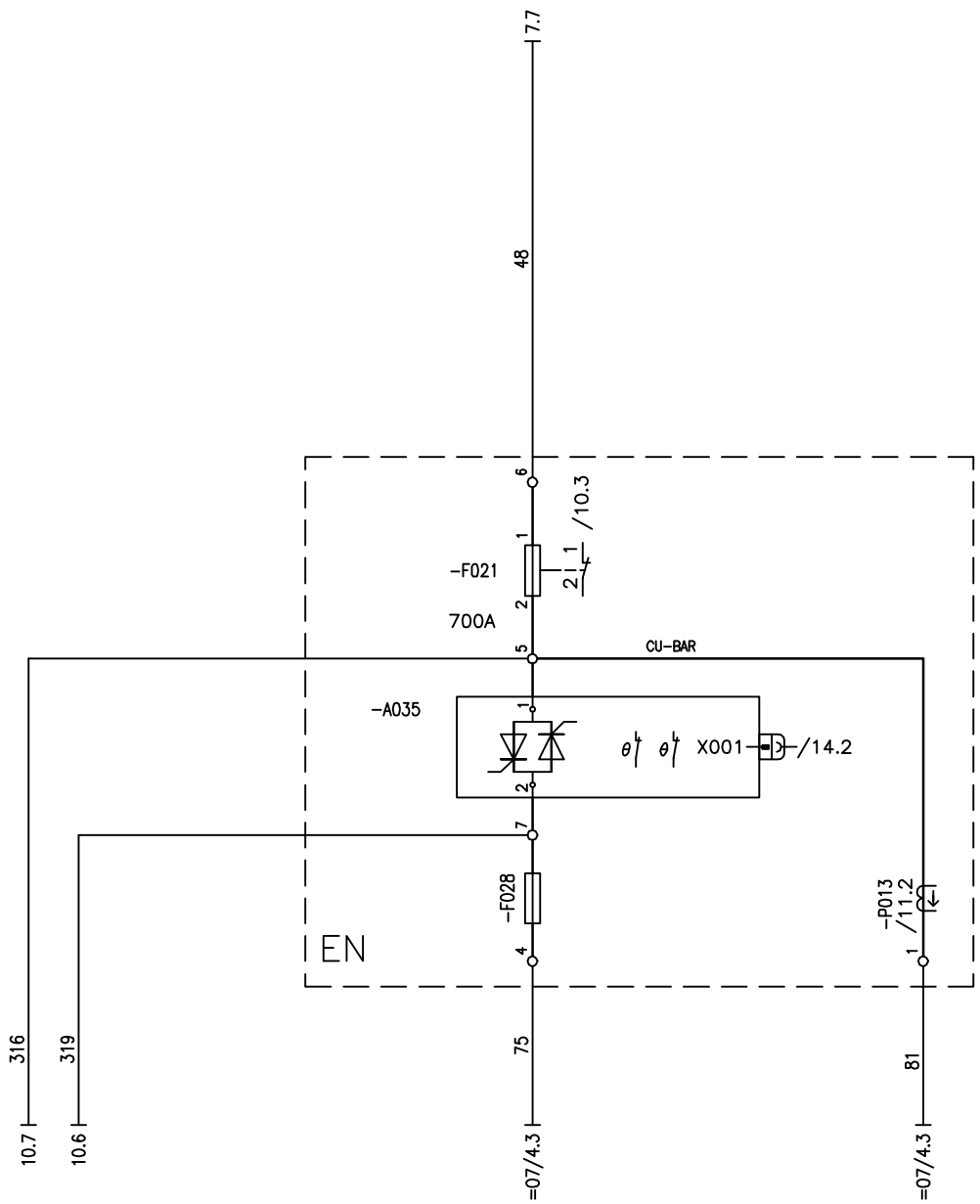
RESPECT PROTECTIVE NOTE ISO 16016



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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

WIRING DIAGRAM

UPS

AS BUILT

DOC. NO. 1100322002/00

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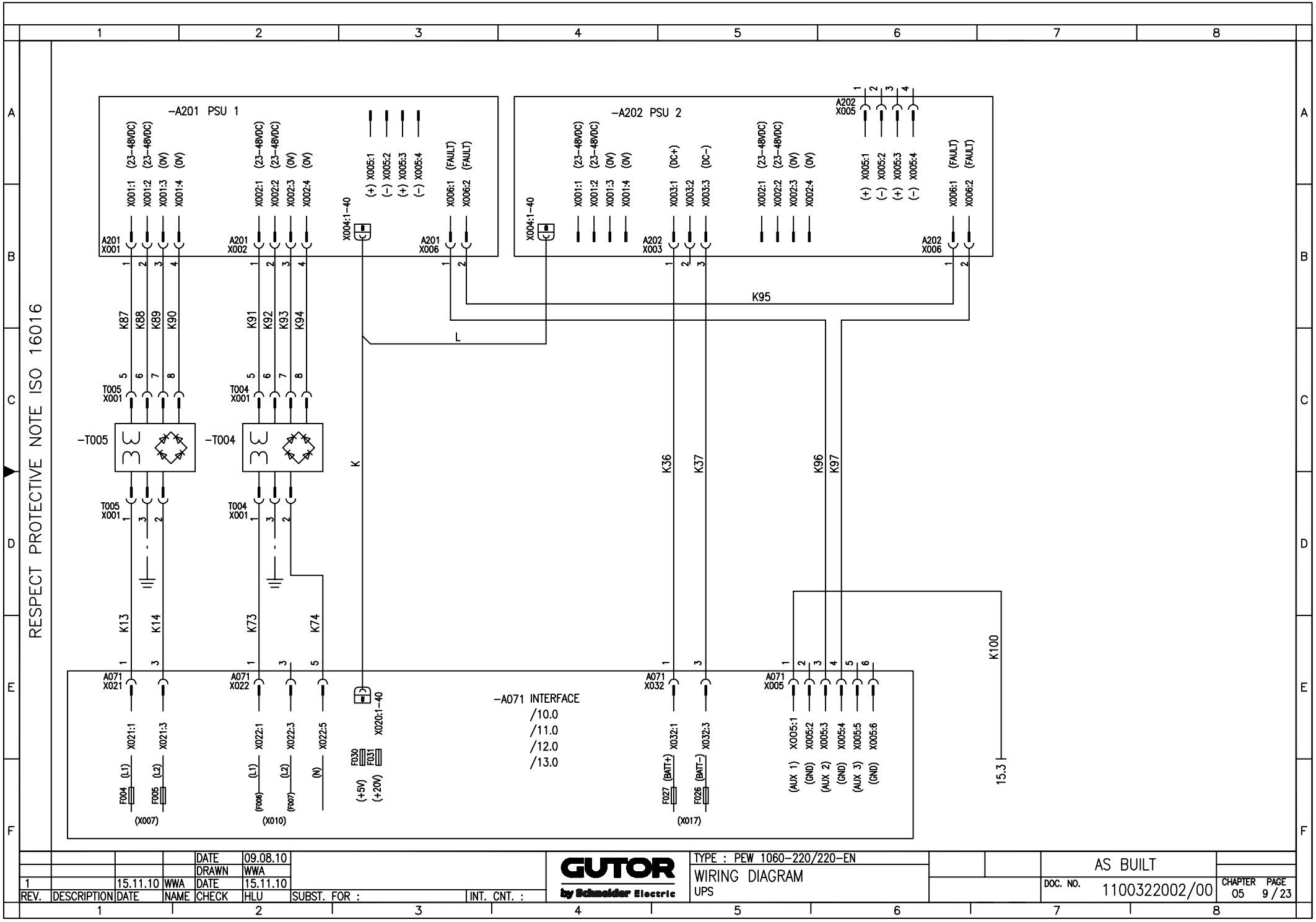

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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

WIRING DIAGRAM

UPS

AS BUILT

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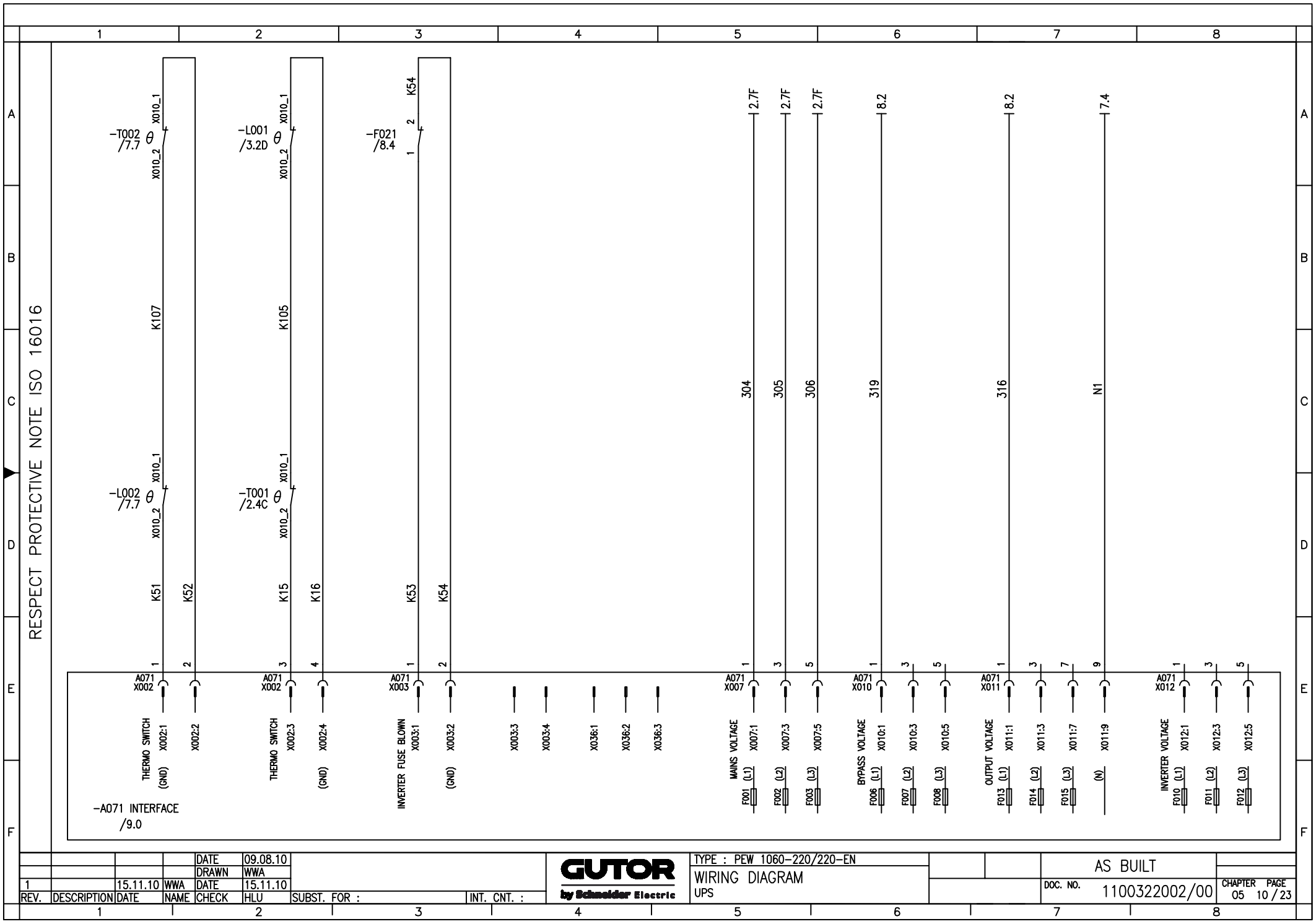

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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

WIRING DIAGRAM

UPS

AS BUILT

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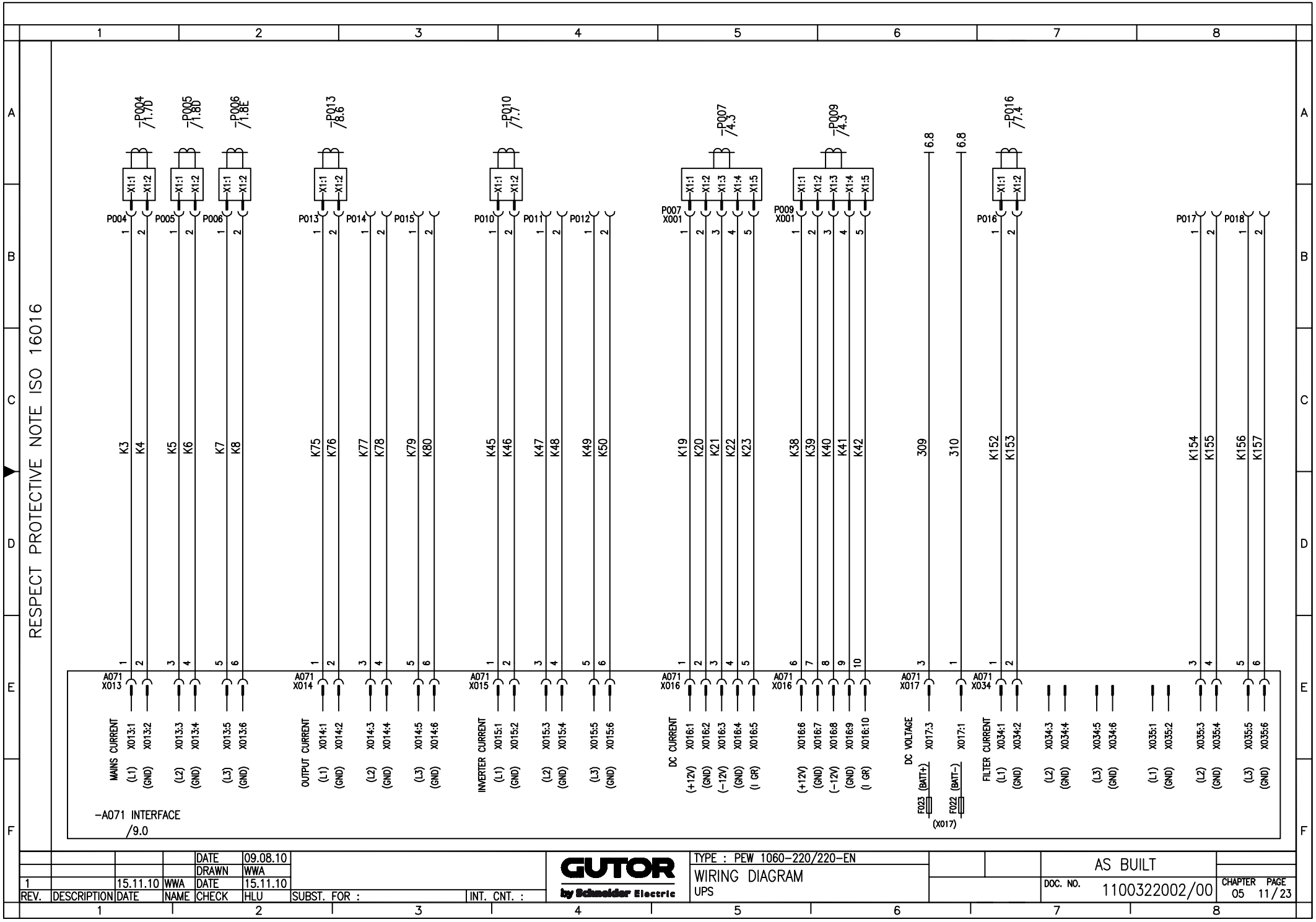

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SUBST. FOR :

INT. CNT. :

GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

WIRING DIAGRAM

UPS

AS BUILT

DOC. NO. 1100322002/00

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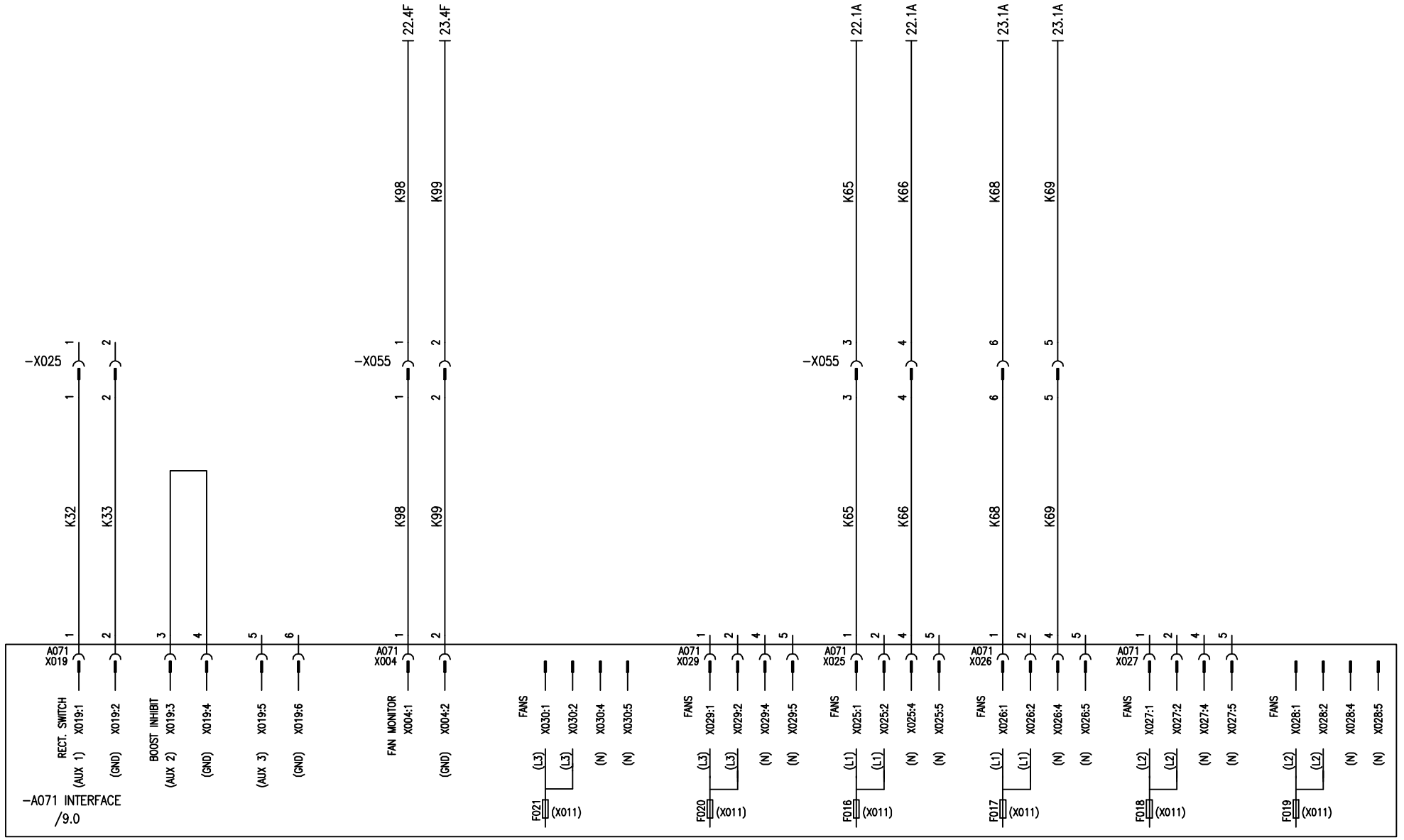
RESPECT PROTECTIVE NOTE ISO 16016



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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

WIRING DIAGRAM

UPS

AS BUILT

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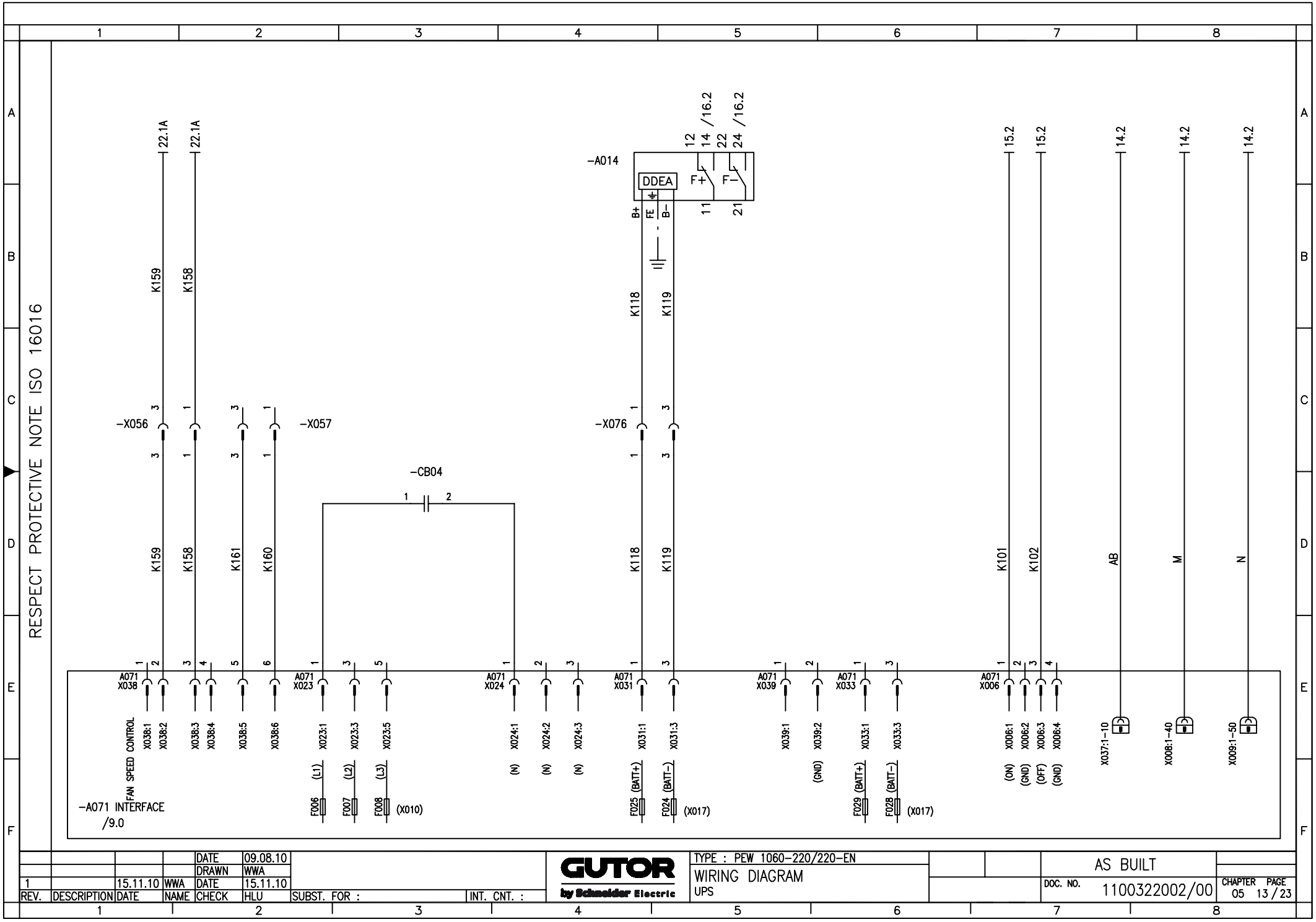

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1		15.11.10	WWA	DATE	15.11.10		
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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

WIRING DIAGRAM

UPS

AS BUILT

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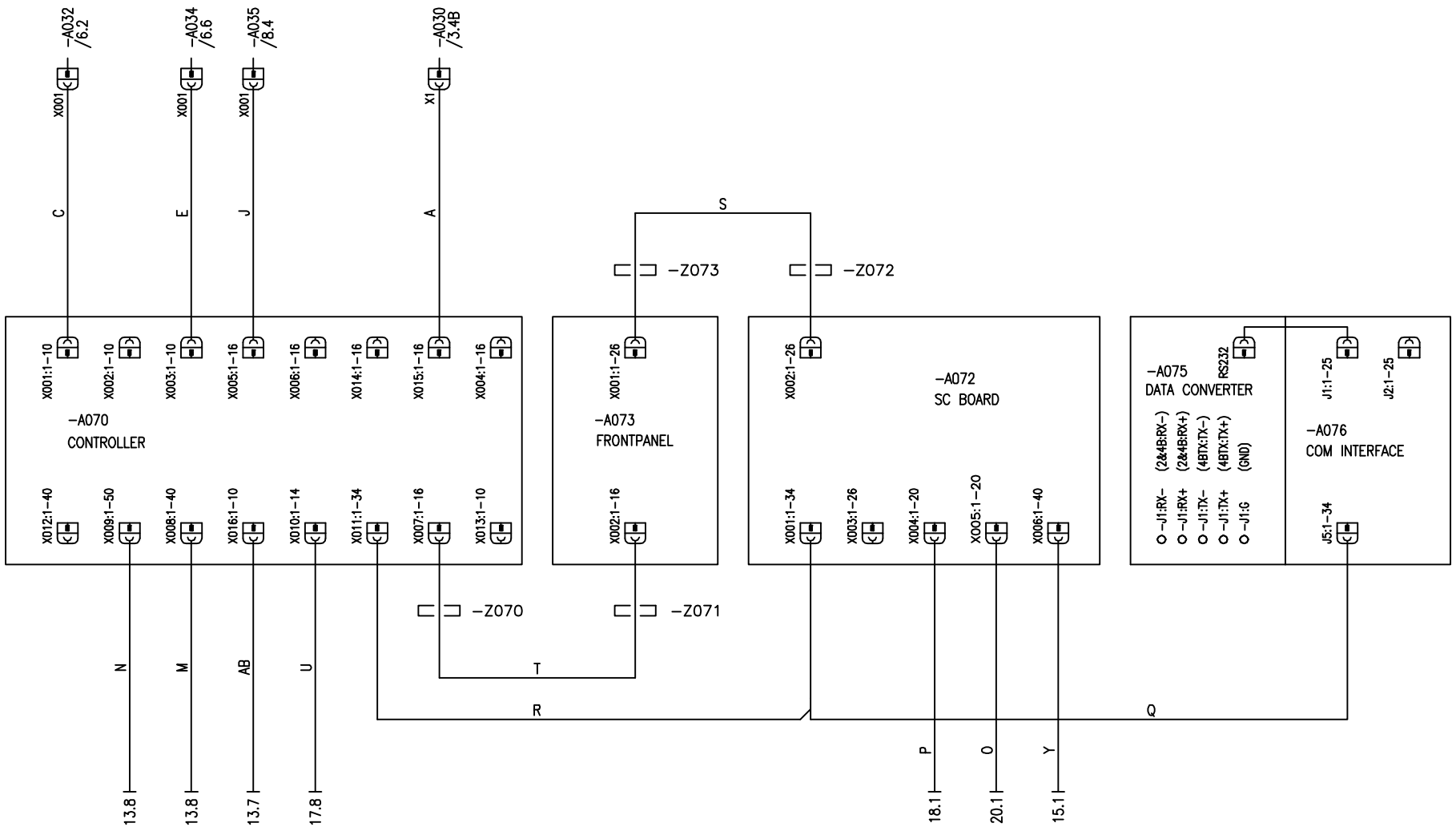
RESPECT PROTECTIVE NOTE ISO 16016



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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

WIRING DIAGRAM

UPS

AS BUILT

DOC. NO. 1100322002/00

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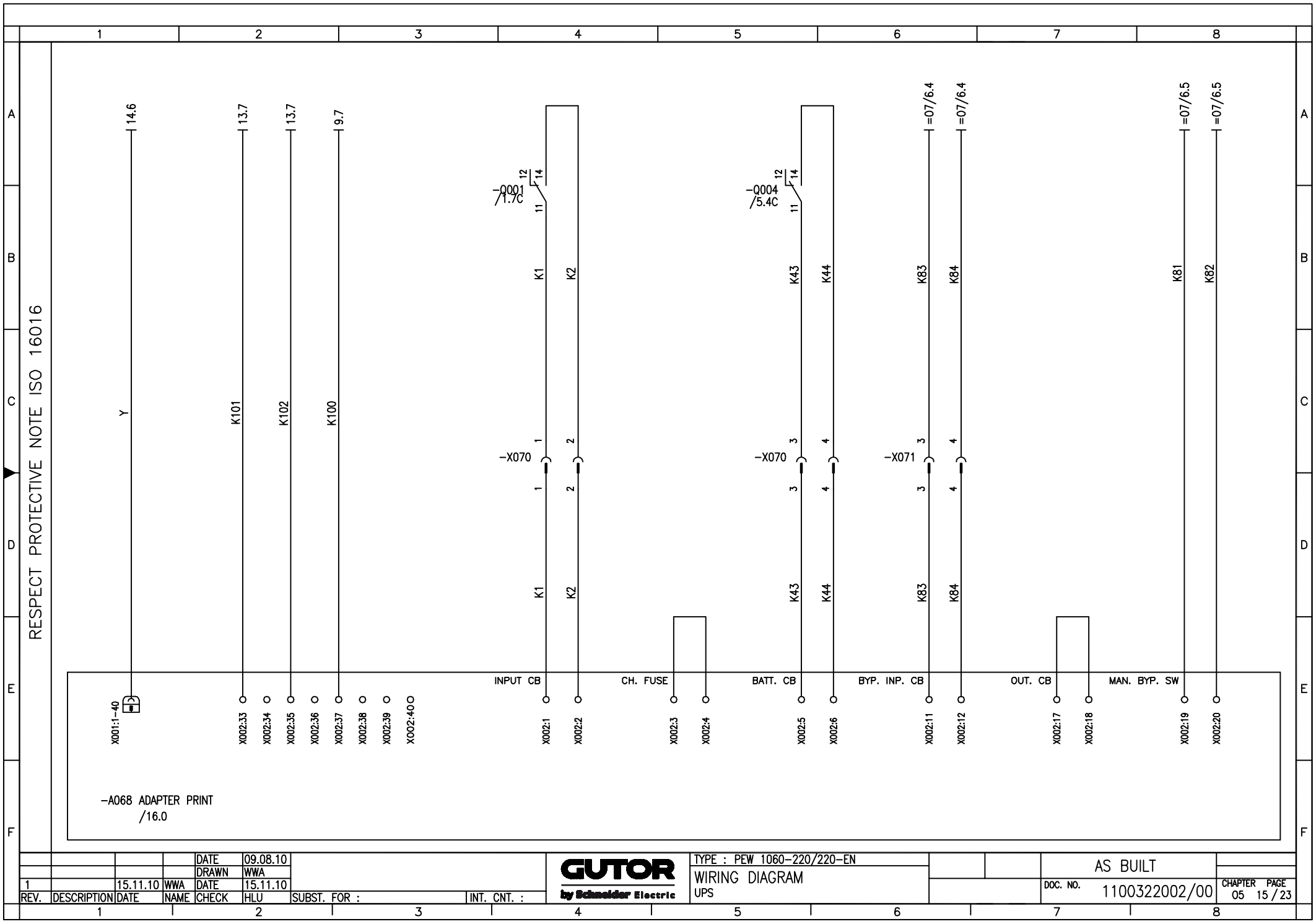

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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

WIRING DIAGRAM

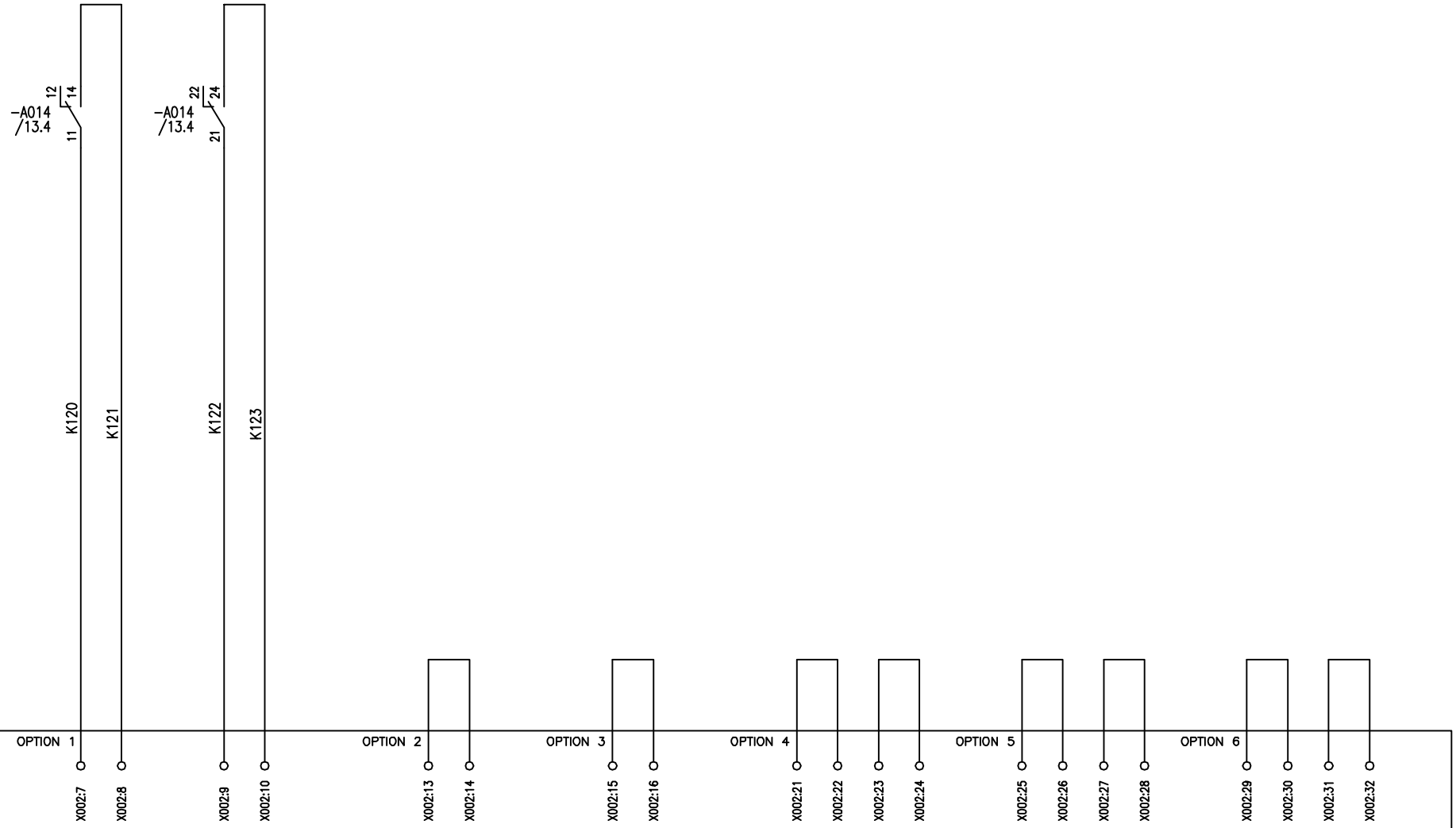
UPS

AS BUILT

DOC. NO. 1100322002/00

CHAPTER 05 PAGE 15 / 23

RESPECT PROTECTIVE NOTE ISO 16016



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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

WIRING DIAGRAM

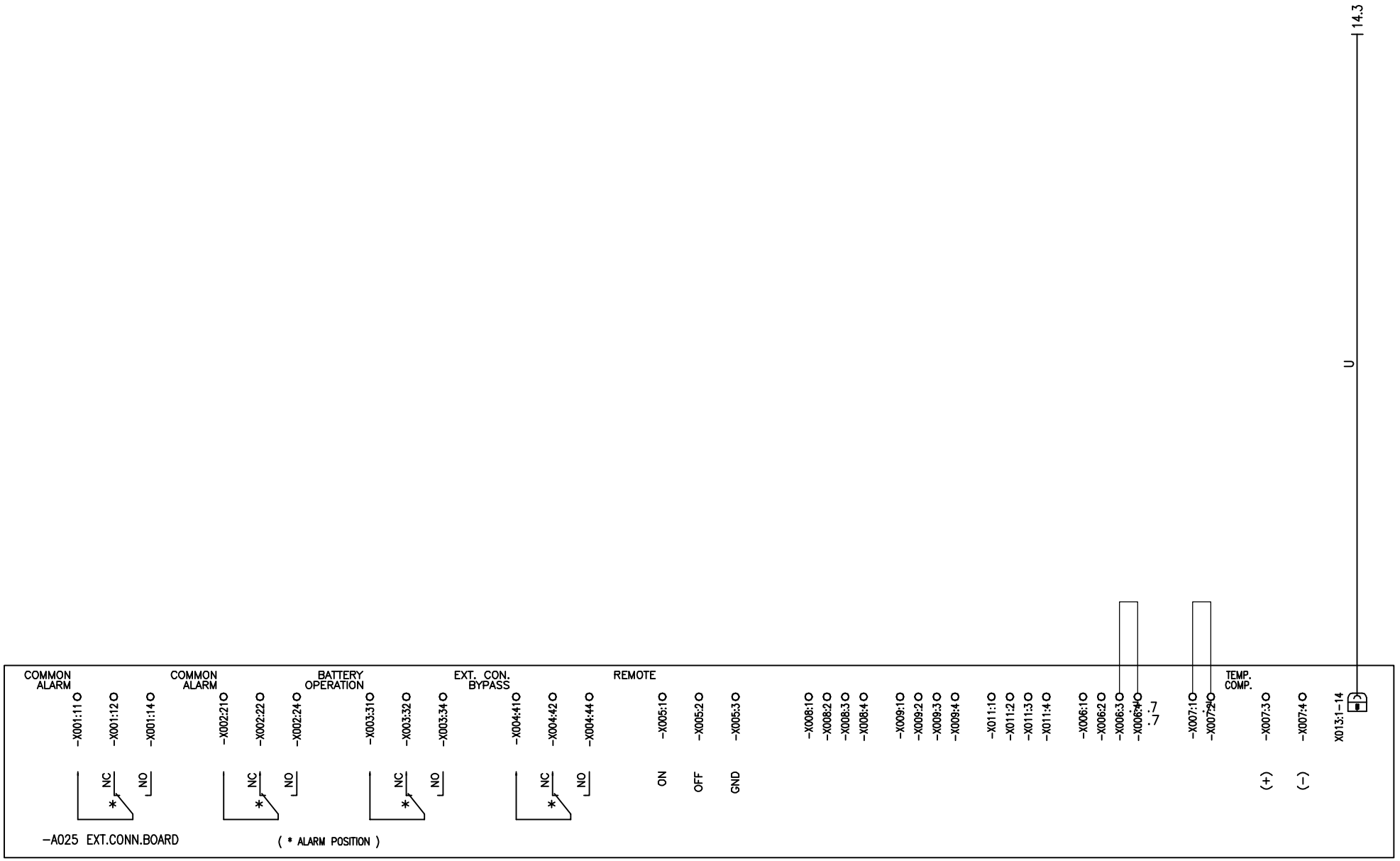
UPS

AS BUILT

DOC. NO. 1100322002/00

CHAPTER 05 PAGE 16 / 23

RESPECT PROTECTIVE NOTE ISO 16016



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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

WIRING DIAGRAM

UPS

AS BUILT

DOC. NO. 1100322002/00

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RESPECT PROTECTIVE NOTE ISO 16016

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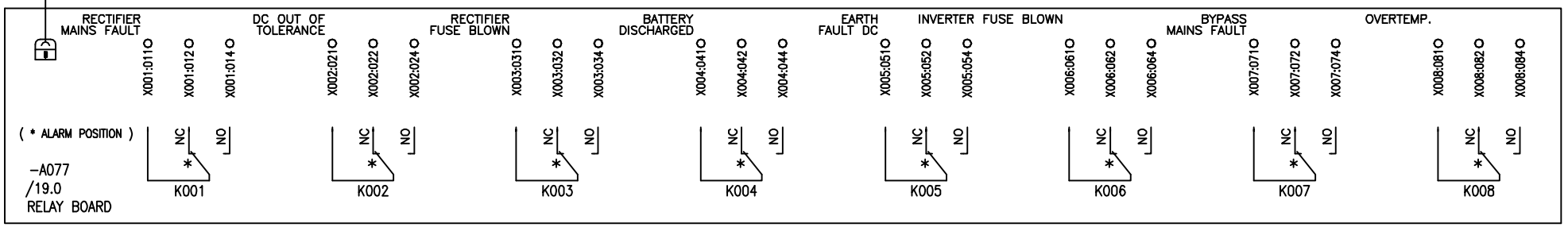

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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

WIRING DIAGRAM

UPS

AS BUILT

DOC. NO. 1100322002/00

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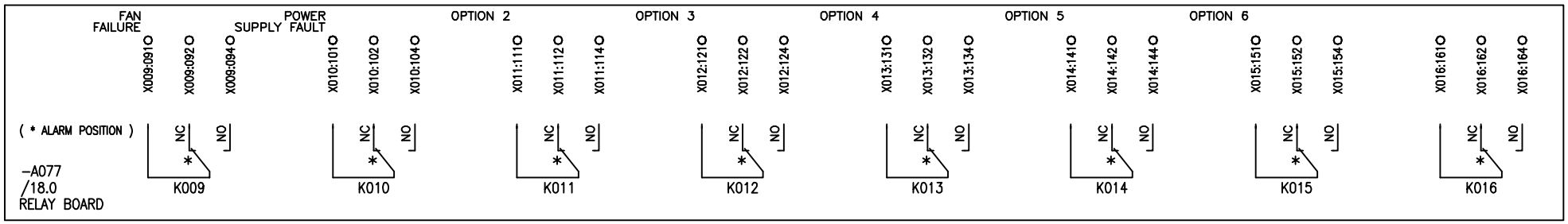
RESPECT PROTECTIVE NOTE ISO 16016



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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

WIRING DIAGRAM

UPS

AS BUILT

DOC. NO. 1100322002/00

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RESPECT PROTECTIVE NOTE ISO 16016

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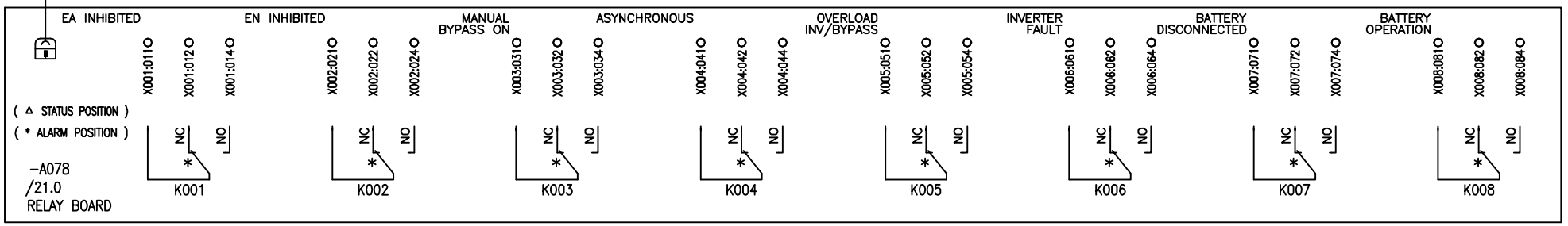

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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

WIRING DIAGRAM

UPS

AS BUILT

DOC. NO. 1100322002/00

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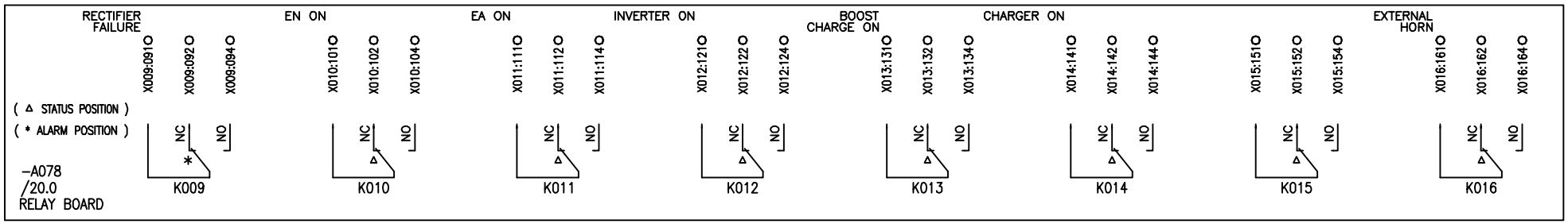
RESPECT PROTECTIVE NOTE ISO 16016



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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

WIRING DIAGRAM

UPS

AS BUILT

DOC. NO. 1100322002/00

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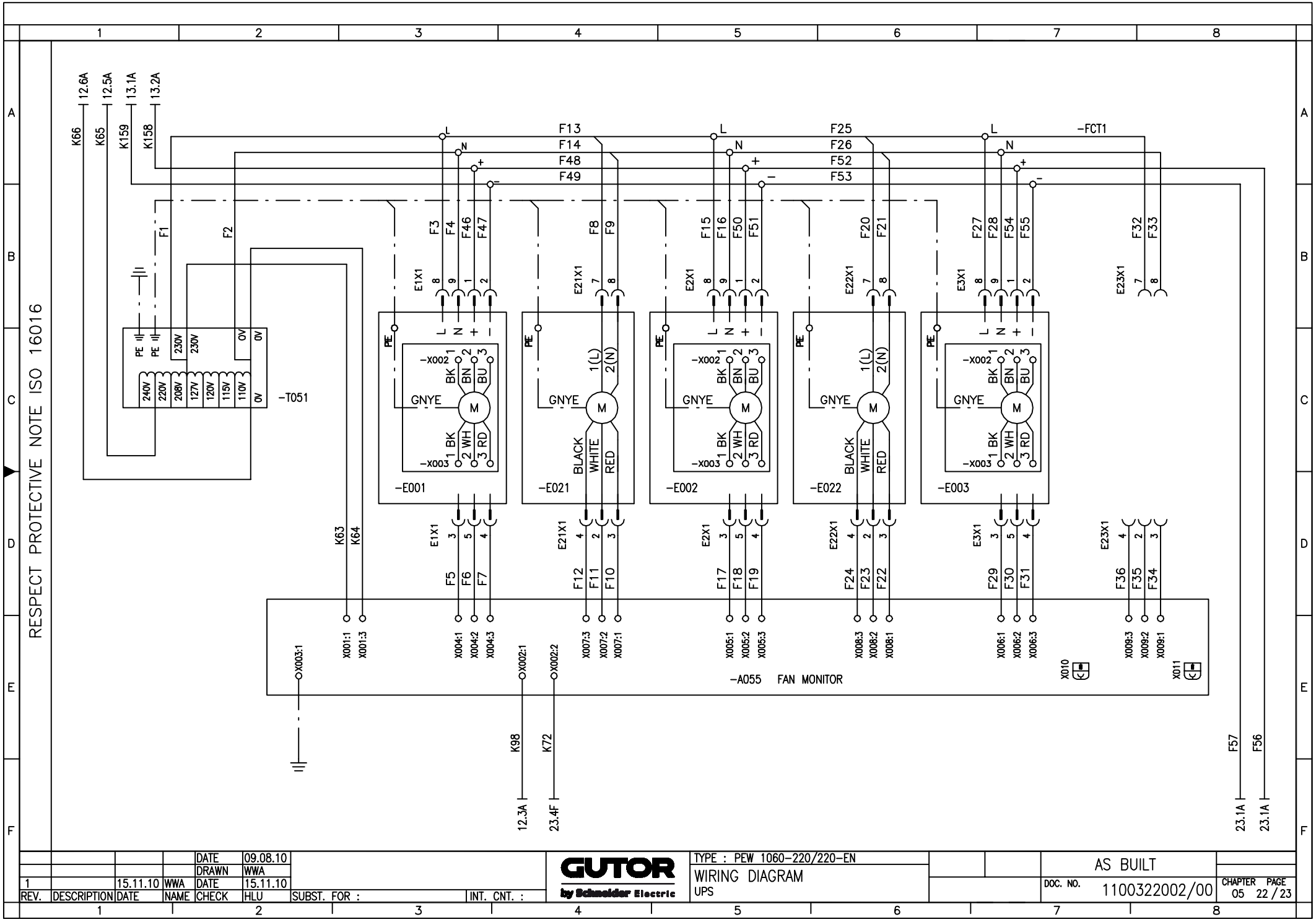

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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

WIRING DIAGRAM

UPS

AS BUILT

DOC. NO. 1100322002/00

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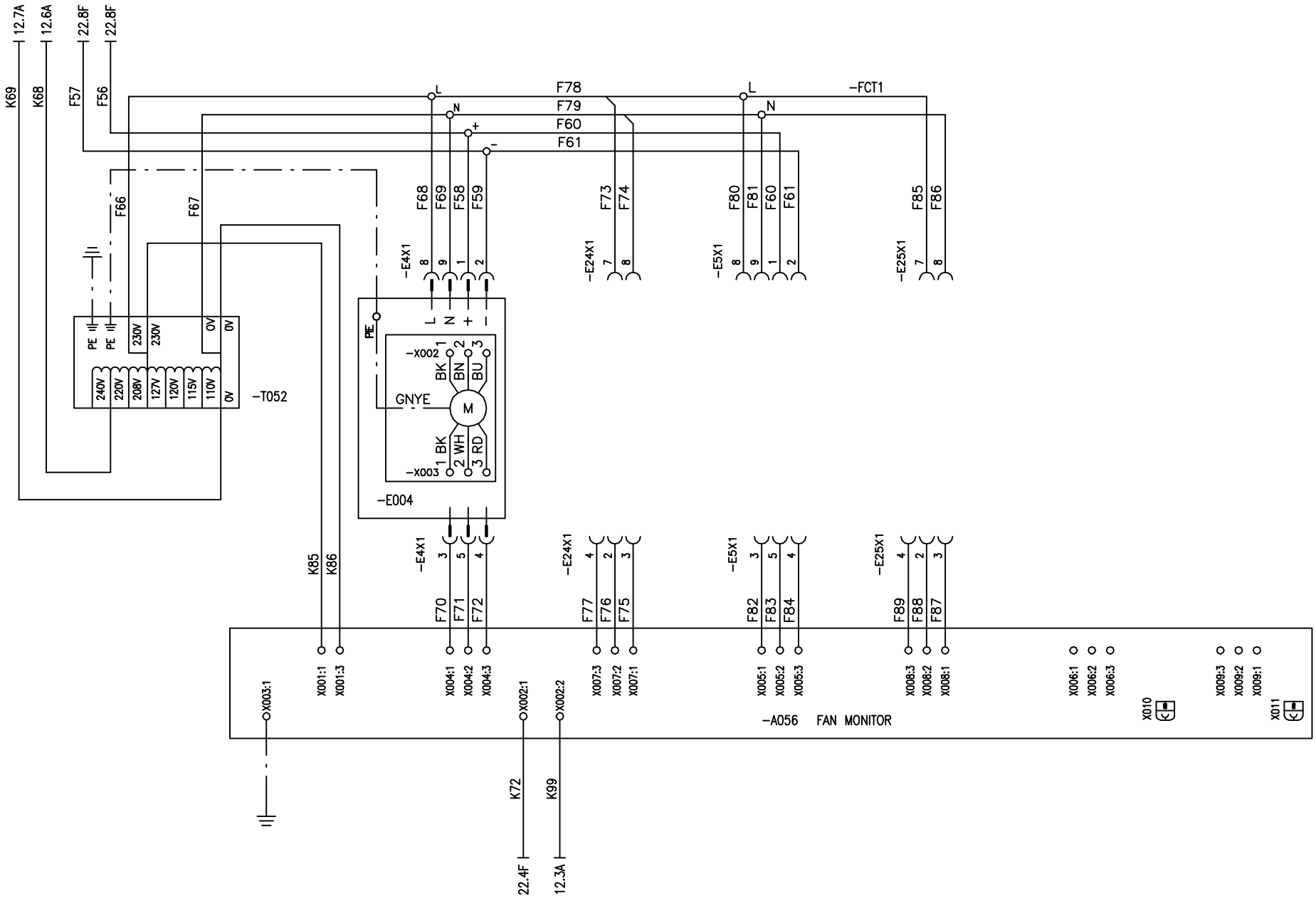

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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

WIRING DIAGRAM

UPS

AS BUILT

DOC. NO. 1100322002/00

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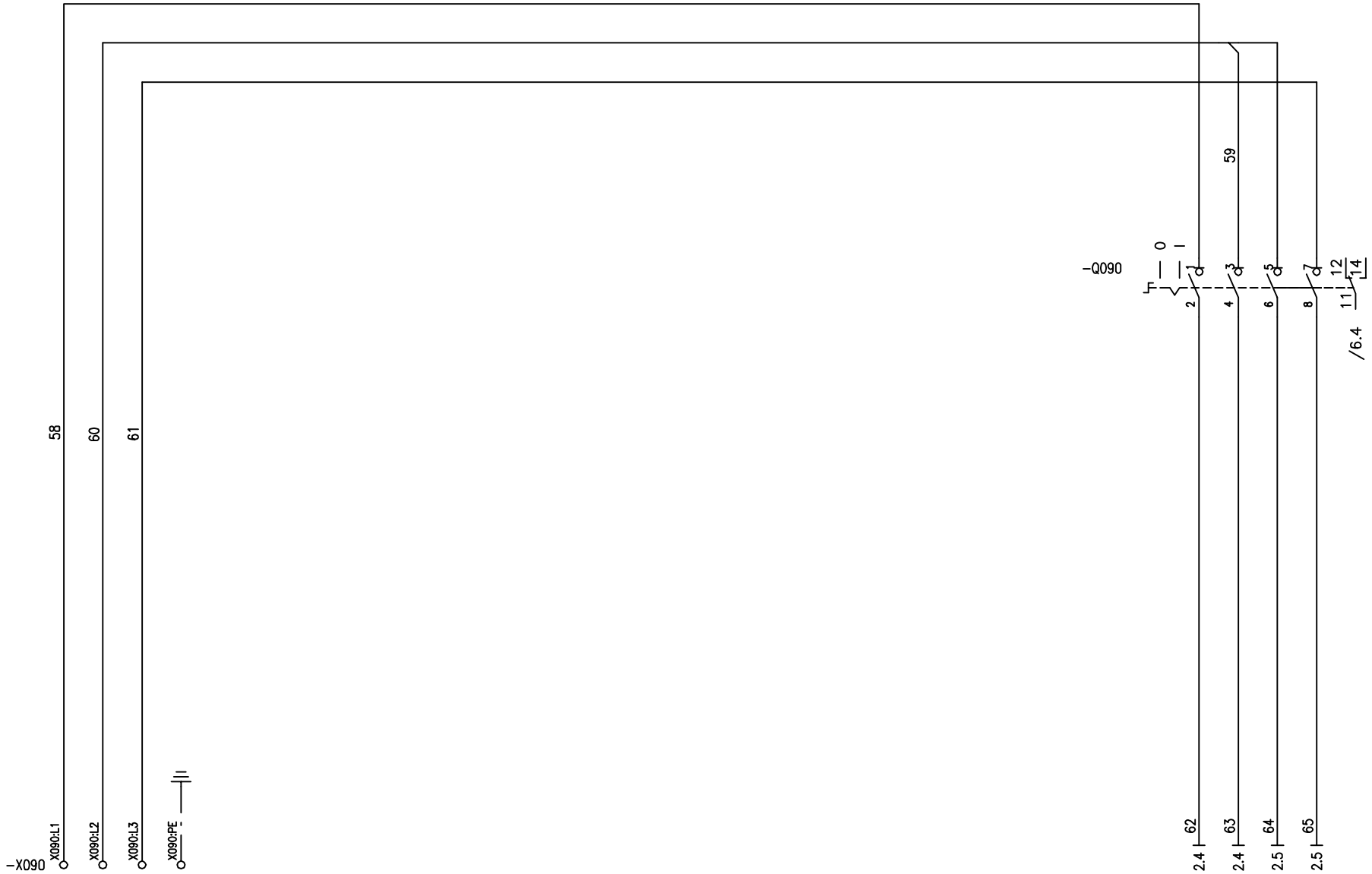
RESPECT PROTECTIVE NOTE ISO 16016



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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

WIRING DIAGRAM
INCOMING / BYPASS

AS BUILT

DOC. NO. 1100322002/00

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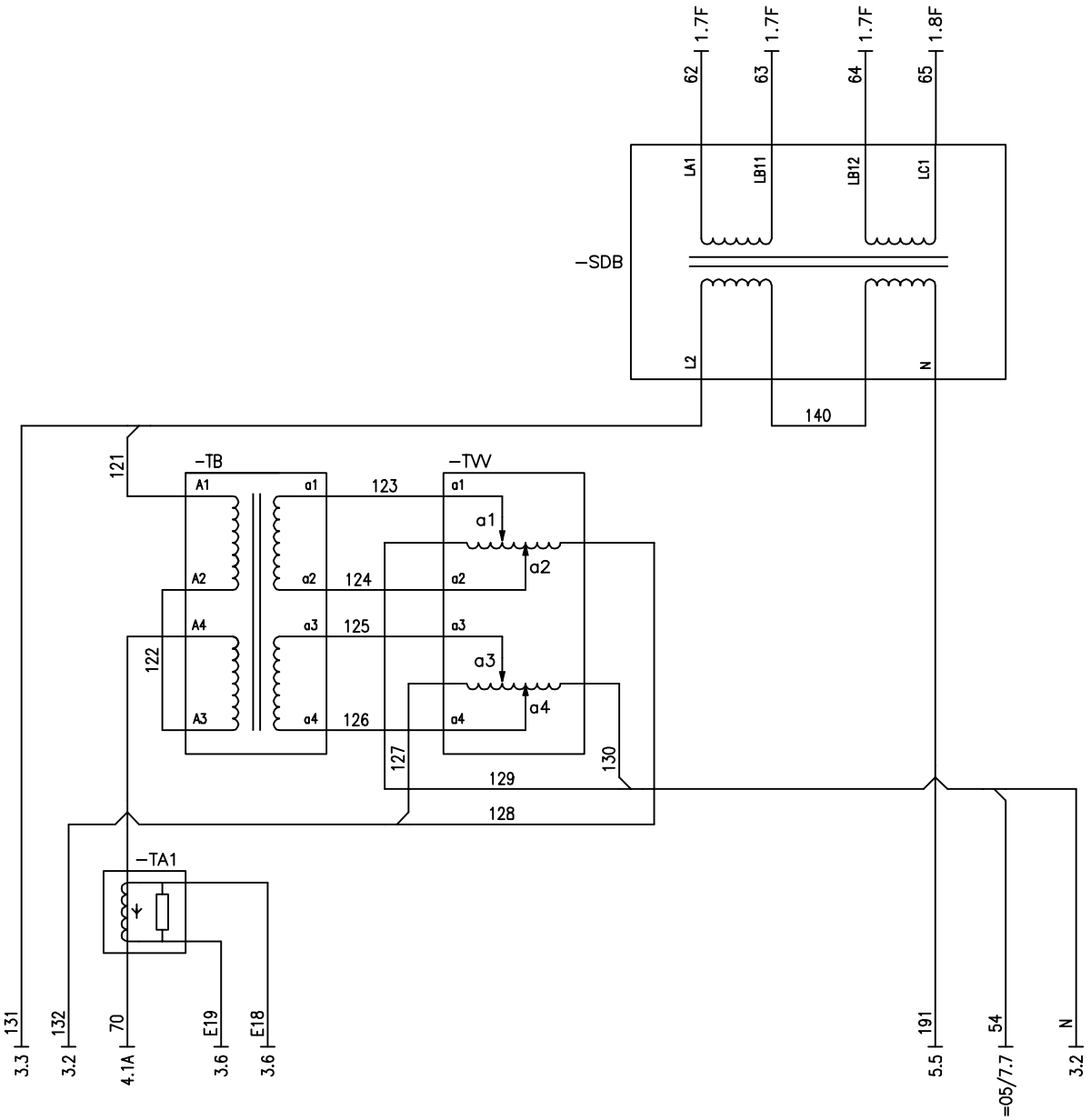

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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

WIRING DIAGRAM

STABILIZER

AS BUILT

DOC. NO. 1100322002/00

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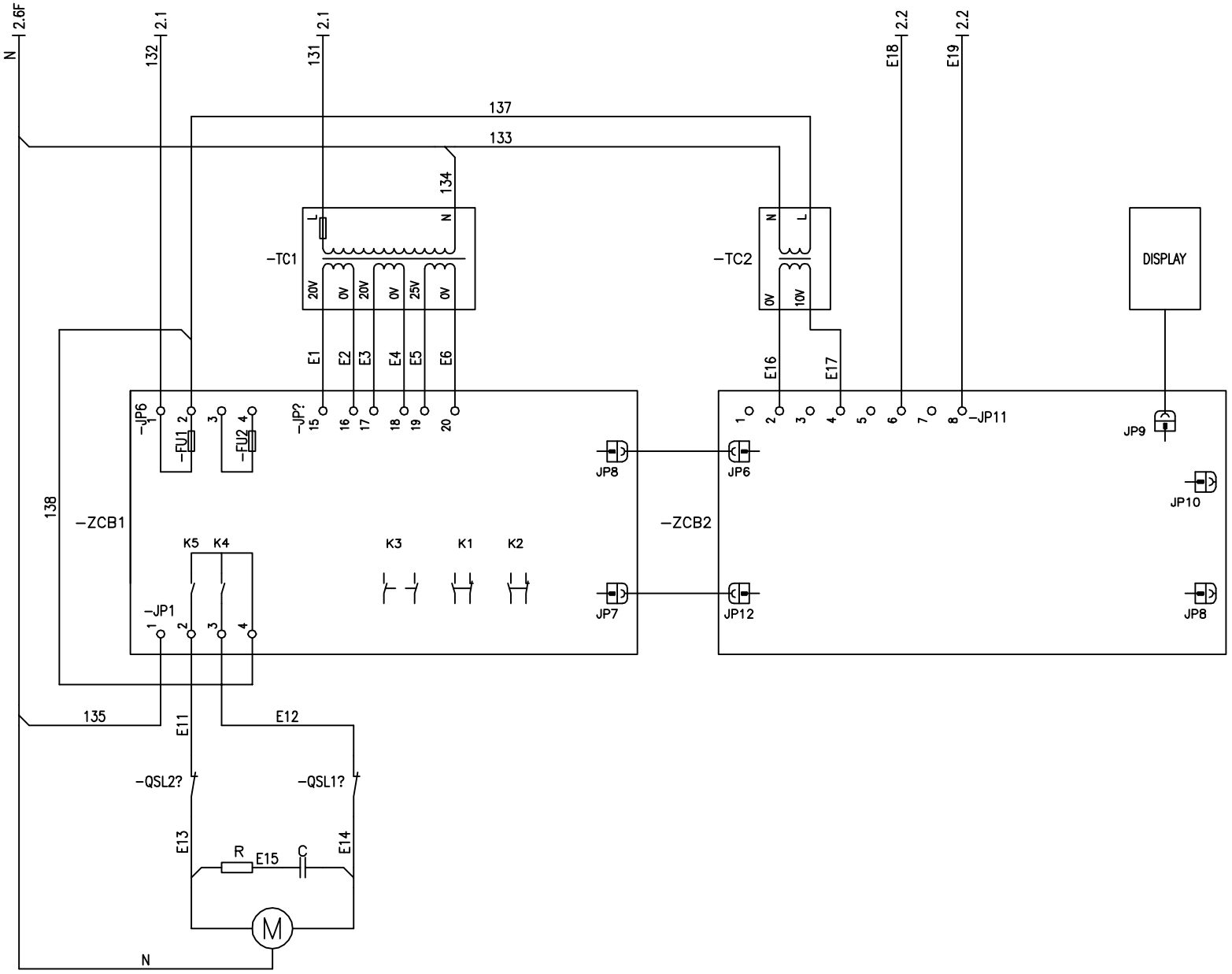

RESPECT PROTECTIVE NOTE ISO 16016

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			DATE 15.11.10
			CHECK HLU
			SUBST. FOR :
			INT. CNT. :

GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

WIRING DIAGRAM
STABILIZER

AS BUILT

DOC. NO. 1100322002/00

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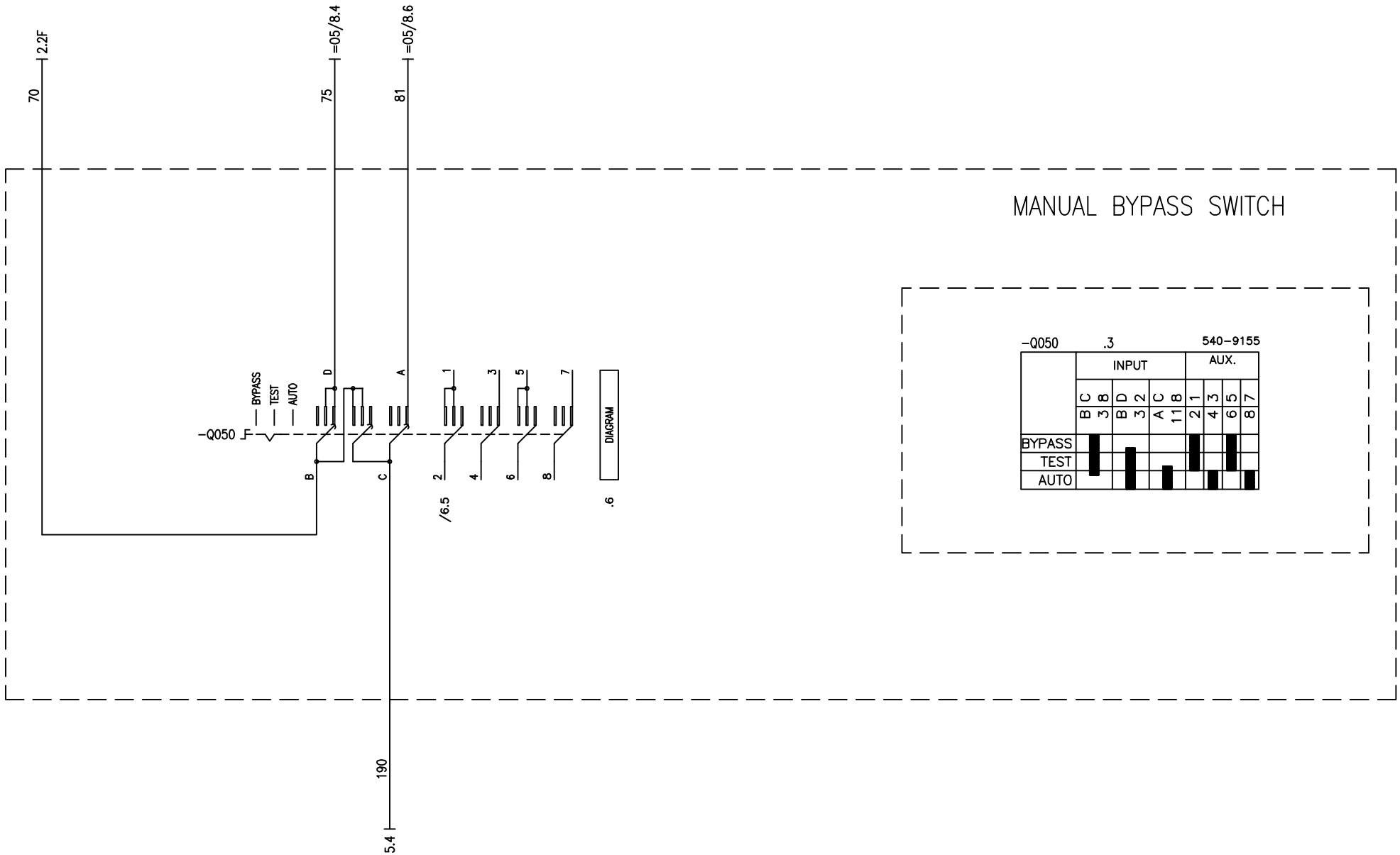
RESPECT PROTECTIVE NOTE ISO 16016



MANUAL BYPASS SWITCH

-Q050 .3 540-9155

	INPUT				AUX.			
	B C 3 8		B D 3 2		A C 1 1 8	2 1	4 3	6 5	8 7
BYPASS	■					■		■	
TEST	■		■						
AUTO					■		■		■

REV.	DESCRIPTION	DATE	NAME				
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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

WIRING DIAGRAM
INCOMING / BYPASS

AS BUILT

DOC. NO. 1100322002/00

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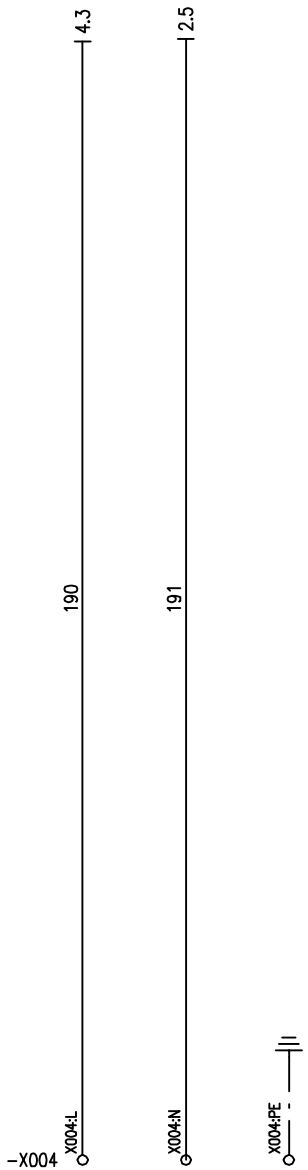
RESPECT PROTECTIVE NOTE ISO 16016



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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

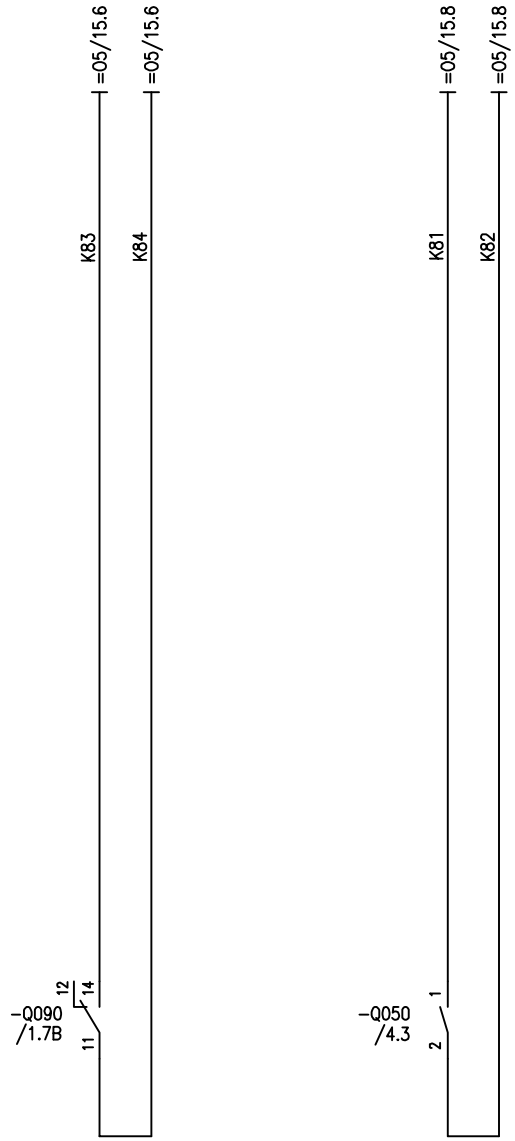
WIRING DIAGRAM
INCOMING / BYPASS

AS BUILT

DOC. NO. 1100322002/00

CHAPTER 07 PAGE 5/6

RESPECT PROTECTIVE NOTE ISO 16016



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GUTOR by Schneider Electric

TYPE : PEW 1060-220/220-EN

WIRING DIAGRAM
INCOMING / BYPASS

AS BUILT

DOC. NO. 1100322002/00

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Bill of Material 4A-1100322002/50

CLIENT:	Qingdao Henghua/SBMV	DATE:	16.11.2010
PROJECT TITLE:	Shandong Haihua Thermal PP	VENDORS NAME:	GUTOR
SYSTEM TYPE:	PEW 1060-220/220-EN		
PO No:	HB03-10111	SYSTEM No:	1100322002

Item Number	Quantity	Description	Ref. Designator
450-0307A	1	RELAY DC EARTH FAULT TYPE DDEA 20-500VDC	A014
0W3217	1	CABLE HARNESS XXW A014	A014_CT
0M-94010	1	DIODE MODULE PXW IDC=<600ADC	A015
0P9907	1	EXTERNAL CONNECTION BOARD PEW/ PDW	A025
0C0950	1	RECT MODULE PXW 145ADC<IDC=<365ADC	A030
0C0920	1	PM 1/2 24-300VDC 920ARMS/2400APEAK	A032
0C0920	1	PM 1/2 24-300VDC 920ARMS/2400APEAK	A034
0C0075	1	SSW PEW 1~ EN/EA 200AAC<IAC=<450AAC	A035
0P2438	2	FAN MONITOR 8 CH FOR LOW FAN SPEED 120-240VAC	A05x
0P9914	1	ADAPTER BOARD 40POL	A068
0P2446	1	PCB CONTROLLER XXW 3PH/1PH, 5US BT, 2KHZ PWM	A070
0P2405	1	INTERFACE FUSE FC UPS 220VDC W.O. T1...T12	A071
430-0048A	3	XFMR SAF ISOL -15% 216-251VAC+10% IEC/UL	A071
110-0000	1	R ORO 5A RES.	A071_IJ22
430-0048A	1	XFMR SAF ISOL -15% 216-251VAC+10% IEC/UL	A071_T006
430-0048A	1	XFMR SAF ISOL -15% 216-251VAC+10% IEC/UL	A071_T009
0P0363	1	SIGNALIS. CONTROLLER	A072
0M-94035A	1	FRONTPANEL COMPLETE	A073
0P9894	1	COMM. INTERFACE RS485 FOR CONT.	A076
0P9912A	1	RELAY BOARD 24VDC 16 RELAY PEW/PDW	A077
0P9912A	1	RELAY BOARD 24VDC 16 RELAY PEW/PDW	A078
0P0280	1	PSU, AC SUPPLY OUT:+20VDC/+-12VDC/+5VDC	A201
0P0284	1	PSU 220VDC OUT:+20VDC/+-12VDC/+5VDC	A202
0M-94103	1	CB02 M.KIT5 (ALU) 8-21 CAPACITORS	CB02
0M-94106	2	CB02 M.KIT8 (ALU) CONNECT. TO LARGE PM	CB02
202-3682	20	CE 6800MF 350VDC STUD	CB02
803-0090	20	NUT NYLON M12 PYB7042	CB02
0N-0948	2	ASSY XXW CB02 DISCHARGE RESISTORS 3KOHM	CB02_R006
LM149		XXW- CB02 - DISCHARGE RESISTORS - ASSEMBLY	CB02_R006_Layout
234-0117	18	CS 110MF 250VAC/ HPFNT B.TAP UL	CB03
0W2367A	18	WIRE CB03 BRIDGE	CB03_CT1
0W2369A	12	WIRE SET CB03 1 SHORT	CB03_CT2
0W2368A	6	WIRE SET CB03 1 LONG	CB03_CT3
LM15_41		MEI ASSY_LAYOUT_CB03_ 1 PH_ Y	CB03_LAYOUT
0M-10069	1	CB03 MECH. KIT PLATE 375-1P	CB03_MECH_1
0P6246	1	CT AC 110A<INV=<140A 110A<REC<=210A	CB03_P016
0M-8190	4	SUB ASSEMBLY FAN 230VAC DUAL SPEED XXW	E00x
0M-94028	2	SUB ASSEMBLY FAN 230 VAC FOR ROOF XXW	E02x
515-9028	1	SEMIC.FUSE 500A/250VFWX UL/CSA	F021
0M-94050	1	INDICATOR FOR FWX FUSE 225A-800A	F021_Ind
0M-94146	1	FUSE.KIT07 1PH SSW3 EN	F021_Kit
515-9031	2	SEMIC.FUSE 800A/250VFWX UL/CSA	F028
870-93018	2	MOUNT PLATE PXW MOD.DISTANCE 35MM	FBOX_Pos4
870-10607	1	MOUNT PLATE PXW MODULE DISTANCE 40MM	FBOX_Pos5
870-10575A	2	COVER FANBOX 200 X 148	FBOX_Pos6

Bill of Material 4A-1100322002/50

CLIENT:	Qingdao Henghua/SBMV	DATE:	16.11.2010
PROJECT TITLE:	Shandong Haihua Thermal PP	VENDORS NAME:	GUTOR
SYSTEM TYPE:	PEW 1060-220/220-EN		
PO No:	HB03-10111	SYSTEM No:	1100322002

Item Number	Quantity	Description	Ref. Designator
870-10606	1	MOUNT PLATE PXW MODULE DISTANCE 345MM	FBOX_Pos9
420-9326	1	DC-CHOKE 264 316 922	L001
430-0629	1	AC.CH.XEW1060 2KHZ 220VDC	L002
420-9206	1	BATT.-CHOKE 315ADC/500VDC	L005
0P9882	1	DATA CONVERTER RS232 / RS485	LVC_A075
0P6234	1	CT AC 140A<INV=<170A 135A<REC=<260A	P004
0P6234	1	CT AC 140A<INV=<170A 135A<REC=<260A	P005
0P6234	1	CT AC 140A<INV=<170A 135A<REC=<260A	P006
0P6285A	1	CT DC 296A<IDC=<324A 444A<IDISCH=<485A	P007
0M-94088	1	DC CURRENT MEASURE XXW MECH. IDC >186A	P007_P009
0P6284A	1	CT DC 281A<IDC=<296A 421A<IDISCH=<444A	P009
0P6240	1	CT AC 480A<INV=<600A470A<REC=<900A	P010
0P6236	1	CT AC 260A<INV=<310A 260A<REC=<470A UL	P013
234-0335	1	CAP MTL PPR 400V 5% 3UF RD	PF_1CB4
540-0262	1	LOAD SWITCH 3P 250A 690VAC/63VDC INS250 MG	Q001
530-1229	1	MCCB DC 4P 200ADC 500V/100KA NS250DC MG	Q004
540-0274	1	AUX/TRIP CONTACT MCCB+LOAD SWITCH (1CO) MG	Q004_AUX
540-9155	1	BYPASS MAN. SW. 1P. 3POS 500A 2AX NO.NC	Q050
540-0268	1	LOAD SWITCH 4P 160A 690VAC/63VDC INS160 MG	Q090
UNC1-432-3780	1	TRAFO IN 98KVA 380V ACC 1100322002/19	T001
430-9804	1	INV.TR.M.XEW1060 2X63/220-240	T002
0M-94081	1	PSU TRAFO SUB.ASS. 208V-20% / 240V+20%	T004
0M-94084	1	PSU TRAFO SUB.ASS. 380V-20% / 460V+20%	T005
430-9521	2	AUTOTR. 110-240/230V 500VA	T05x
UNC1-432-3789	1	STABILIZER BYP 72.2KVA ACC 1100322002/37	T090
340-0025	1	DIODE H 480A/1200V	V015
730-0912	3	TERMINAL BOLT M8 70MM2 WFF 70	X001
0M-10487	2	TERMINAL 2X240MM2 CU 40X8MM	X002
730-0914	2	TERMINAL BOLT M12 185MM2 WFF 185	X004
730-0913	3	TERMINAL BOLT M10 120MM2 WFF 120	X090
0P9895	1	LOADED PCB RFI F. MAINS BYP. OR OUTP 480V 3PH	Z001
410-0900	1	FERRITE CLIP-ON RND ROUND CABLE	Z070
410-0900	1	FERRITE CLIP-ON RND ROUND CABLE	Z071
410-0900	1	FERRITE CLIP-ON RND ROUND CABLE	Z072
410-0900	1	FERRITE CLIP-ON RND ROUND CABLE	Z073
Mechanical parts, UPS Cubicle			
UNC1-870-9240	1	CUBICLE ACC 1100322002/14	CUBICLE
870-92617	2	BASECOVER FRONT/REAR 775MM	FR1_IPK_B1_P1
822-0038	8	FASTENER SOCKET GRID	FR1_IPK_B1_P2
870-92644	2	BASE COVER 400MM	FR1_IPK_B1_P3
870-92928	1	SOIL GRID IP20 630X690	FR1_IPK_B2_P1
870-92925	1	SOIL GRID IP20 300X690	FR1_IPK_B2_P2
870-92612	1	TOP COVER 1150X800MMIP20	FR1_IPK_T1_P1
0M-94033	1	S/A FRAME 1150X750X1800	FR1_UPS

Bill of Material 4A-1100322002/50

CLIENT:	Qingdao Henghua/SBMV	DATE:	16.11.2010
PROJECT TITLE:	Shandong Haihua Thermal PP	VENDORS NAME:	GUTOR
SYSTEM TYPE:	PEW 1060-220/220-EN		
PO No:	HB03-10111	SYSTEM No:	1100322002

Item Number	Quantity	Description	Ref. Designator
0M-5469	1	KIT UPS M FOR FRAME 1150 1800	FR1_UPS_MKIT
0M-94047	1	S/A FRAME 400X750X1800	FR3_INC
0M-5778	1	KIT INC M BASIC FOR FRAME WIDTH 400	FR3_INC_MKIT
870-92644	2	BASE COVER 400MM	FR3_IPK_B1_P1
822-0038	4	FASTENER SOCKET GRID	FR3_IPK_B1_P2
870-93032	1	SOIL GRID IP20 255X345	FR3_IPK_B3_P1
870-92914	1	GLAND PLATE ALU 255X345	FR3_IPK_B3_P2
870-92643	1	TOP COVER 400X800MMIP20	FR3_IPK_T1_P1
0M-94034	1	S/A FRAME 775X750X1800	FR5_1_BYP
0M-0114	1	KIT BYP M FOR FRAME WIDTH 775	FR5_1_BYP_MKIT
870-92617	2	BASECOVER FRONT/REAR 775MM	FR5_1_IPK_B1_P1
822-0038	4	FASTENER SOCKET GRID	FR5_1_IPK_B1_P2
870-93036	1	SOIL GRID IP20 630X345	FR5_1_IPK_B3_P1
870-92917	1	GLAND PLATE ALU 630X345	FR5_1_IPK_B3_P2
870-92613	1	TOP COVER 775X800MMIP20	FR5_1_IPK_T1_P1
0M-94047	1	S/A FRAME 400X750X1800	FR5_2_BYP
870-92644	2	BASE COVER 400MM	FR5_2_IPK_B1_P1
822-0038	4	FASTENER SOCKET GRID	FR5_2_IPK_B1_P2
870-93032	1	SOIL GRID IP20 255X345	FR5_2_IPK_B3_P1
870-92914	1	GLAND PLATE ALU 255X345	FR5_2_IPK_B3_P2
870-92643	1	TOP COVER 400X800MMIP20	FR5_2_IPK_T1_P1
Software			
PD300-041	1	DMU R03 986-0200.HEX	A070_DMU
PD300-004P	1	MPU R12.1 PROGRAMMABLE LOADPROFILES 986-1288P.HEX	A070_MPU
PD300-005E	1	RAM1 R08.3 ENGLISH, GERMAN, 986-0213E.BIN	A070_RAM1
351-0003	1	SRAM 8KX8 RTC - BATT200NS	A070_RAM2
PD300-040D	3	VQ R07.3, 986-1119.HEX	A070_VQ