BASE LOAD POWER HUB (BLPH)

TR-100AD1 Termination and Wiring Diagram

ROSETTI MARINO

1	NO COMMENTS - APPROVED - WORK MAY PROCEED
2	MINOR COMMENTS - REVISE AND RESUBMIT - WORK MAY PROCEED
3	MAJOR COMMENTS – REJECTED – DO NOT PROCEED
4	APPROVAL NOT REQUIRED

NOTE: Approval doesn't relieve the supplier from mandatory compliance with contractual documents and specifications. Comments made do not imply acceptance of any cost or delivery impact.

Sign	Date
Luca Mocenti	12/09/2024

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	10/09/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
02	31/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
01	16/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
00	11/04/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
TR–100AD1 Termination and Wiring Diagram
FRONT PAGE

CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1723001697–EL–DG–00010

SHEET 001

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723001697–EL–DG–00010 Rev. 03

REV.	SHEET NUMBER	DESCRIPTION	REF. CODE
03	001	FRONT PAGE	
03	002	SUMMARY and GENERAL NOTES	
03	003	LAYOUT - AUXILIARY CONTROL PANEL	
03	004	INTERNAL POWER CIRCUIT DIAGRAM	
03	005	PROTECTION DEVICES ON TRANSFORMER	
03	006	THERMAL CONTROL UNIT	
03	007	BLADDER RUPTURE RELAY	
03	008	TERMINAL STRIP	
03	009	EQUIPMENT LIST	
03	010	LAYOUT - AVR PANEL	
03	011	INTERNAL POWER CIRCUIT DIAGRAM - AVR PANEL	
03	012	WIRINGS BETWEEN AVR AND MDU	
03	013	TERMINAL STRIP - AVR PANEL	
03	014	EQUIPMENT LIST - AVR PANEL	
03	015	AVR - TAPCON 230 EXPERT	
03	016	AVR - TAPCON 230 EXPERT	
03	017	AVR - TAPCON 230 EXPERT	
03	018	MDU - WIRINGS	
03	019	MDU - WIRINGS	
03	020	MDU - WIRINGS	
03	021	MDU - WIRINGS	
03	022	MDU - WIRINGS	
03	023	MDU - WIRINGS	

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	10/09/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
02	31/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
01	16/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
00	11/04/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
TR-100AD1 Termination and Wiring Diagram
SUMMARY and GENERAL NOTES

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1723001697-EL-DG-00010

SHEET 002

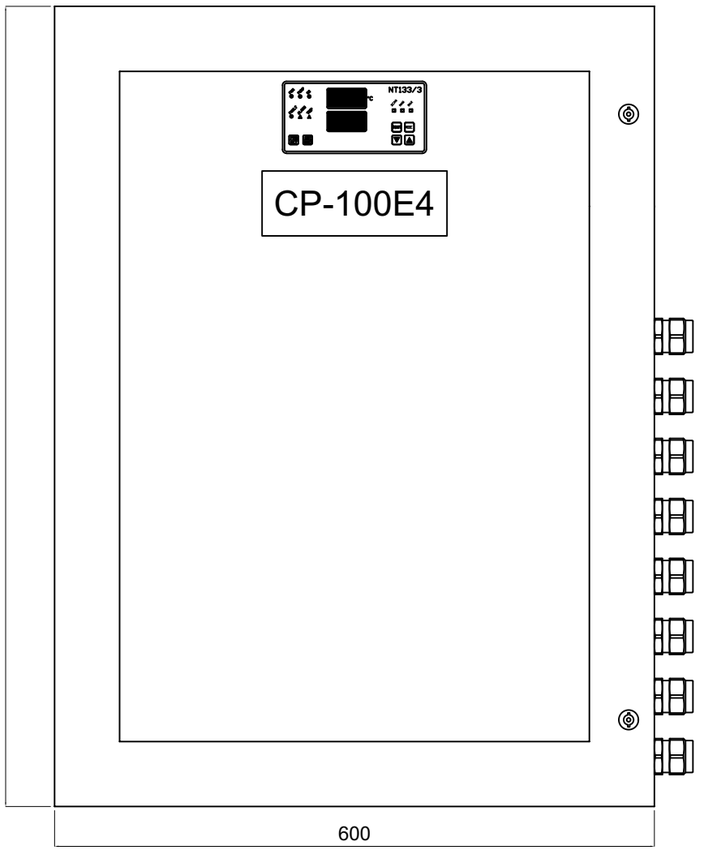
REV. 03

F.to UNI A3: 420mmx297mm

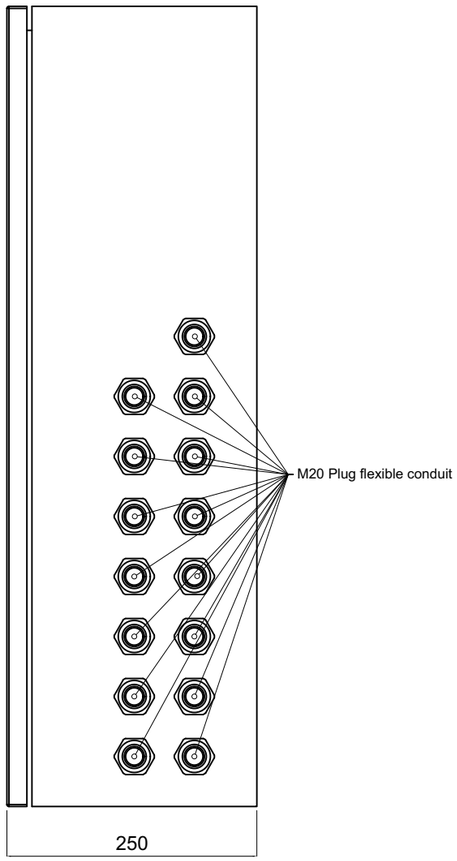
File Name : 1723001697-EL-DG-00010 Rev. 03

LAYOUT - AUXILIARY CONTROL PANEL

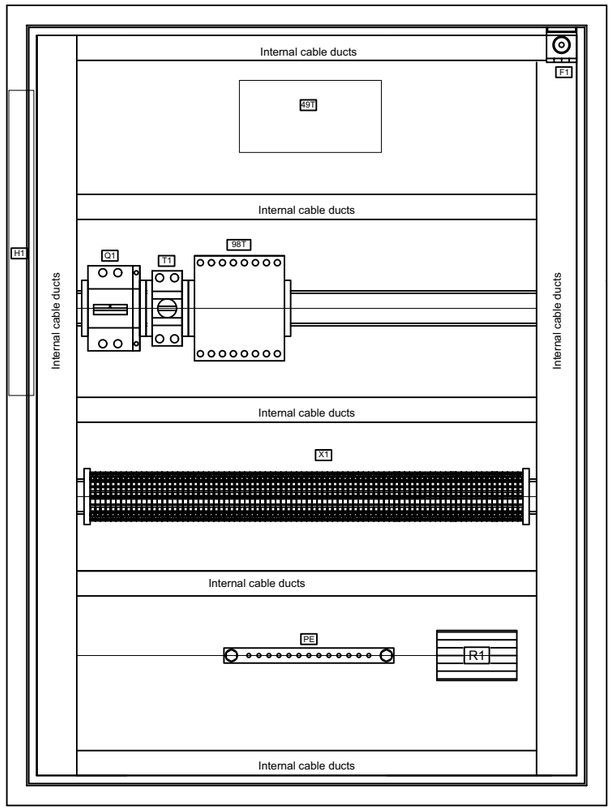
Frontal view



Left side view

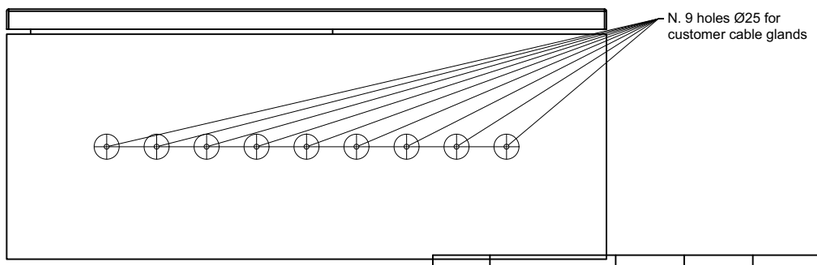


Internal view



PE BAR IS GROUNDED ON INTERNAL PLATE
OF THE PANEL BOX

Bottom view



AUXILIARY CONTROL PANEL	
PROTECTION DEGREE :	IP65
VENTILATION :	NATURAL
BOX MATERIAL :	STAINLESS STEEL 15/10
INTERNAL REMOVABLE PLATE :	STELL 15/10

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	10/09/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
02	31/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
01	16/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
00	11/04/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR-100AD1 Termination and Wiring Diagram
LAYOUT - AUXILIARY CONTROL PANEL

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1723001697-EL-DG-00010

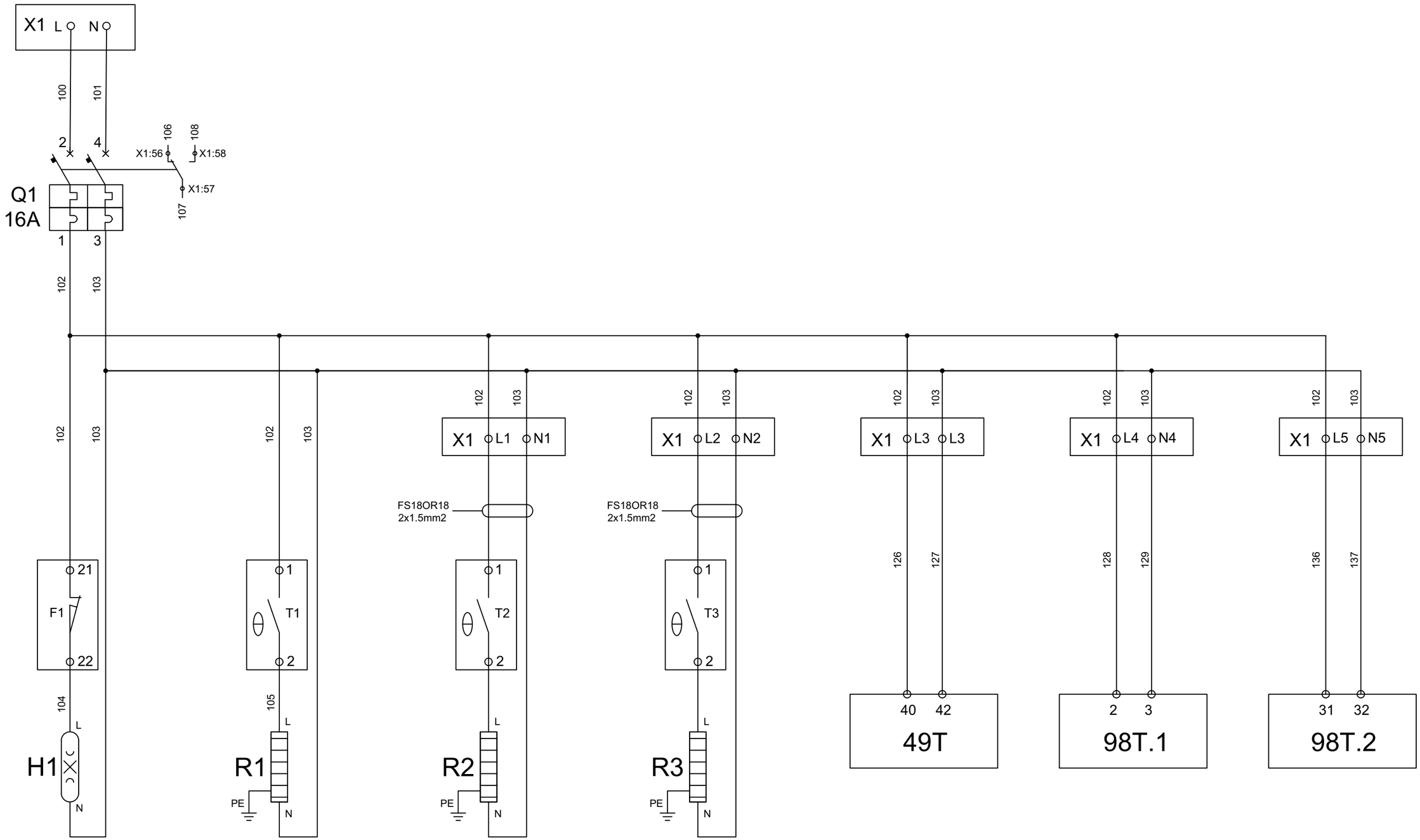
SHEET 003

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723001697-EL-DG-00010 Rev. 03

1Ph+N/Pe = 50Hz 230V
Power supply



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	10/09/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
02	31/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
01	16/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
00	11/04/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR-100AD1 Termination and Wiring Diagram
INTERNAL POWER CIRCUIT DIAGRAM

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1723001697-EL-DG-00010

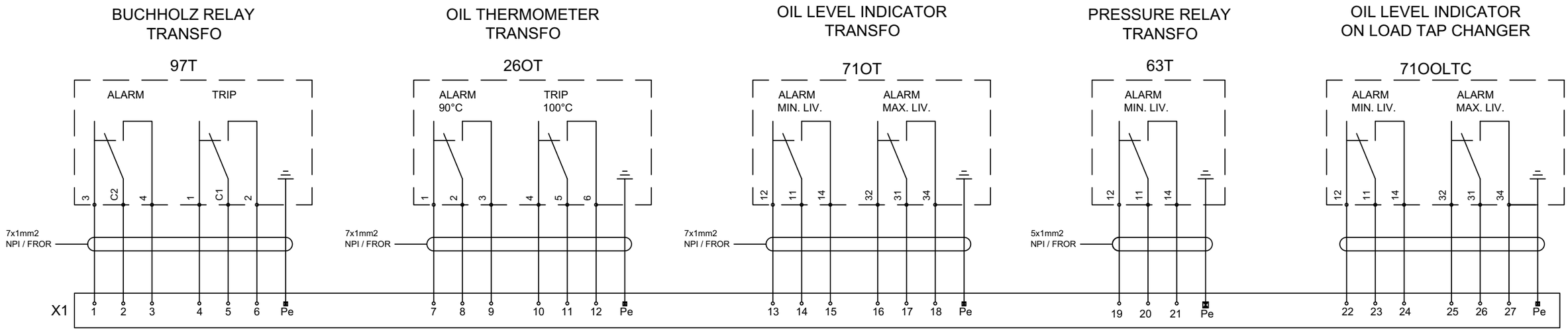
SHEET 004

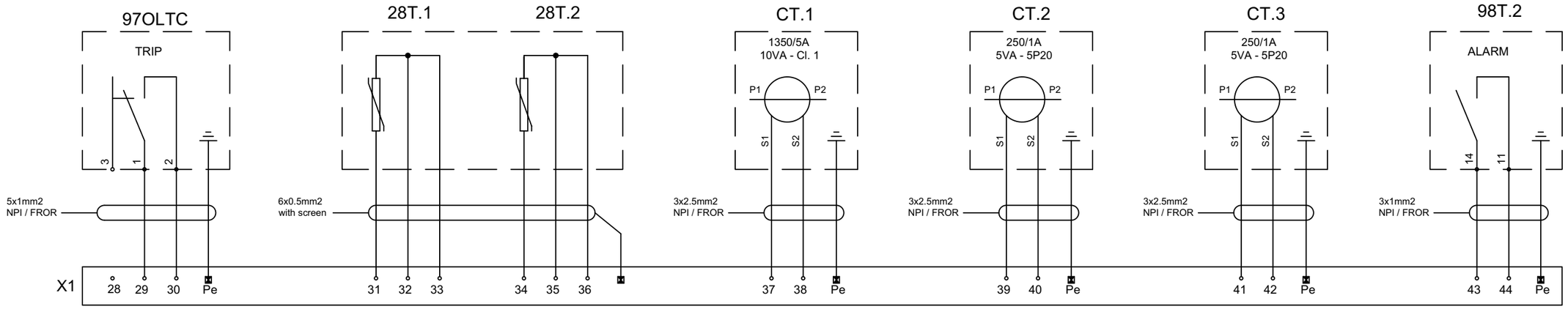
REV. 03

File Name : 1723001697-EL-DG-00010 Rev. 03

F.to UNI A3: 420mmx297mm

TRANSFORMER PROTECTIONS





REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	10/09/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
02	31/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
01	16/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
00	11/04/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR-100AD1 Termination and Wiring Diagram
PROTECTION DEVICES ON TRANSFORMER

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1723001697-EL-DG-00010

SHEET 005

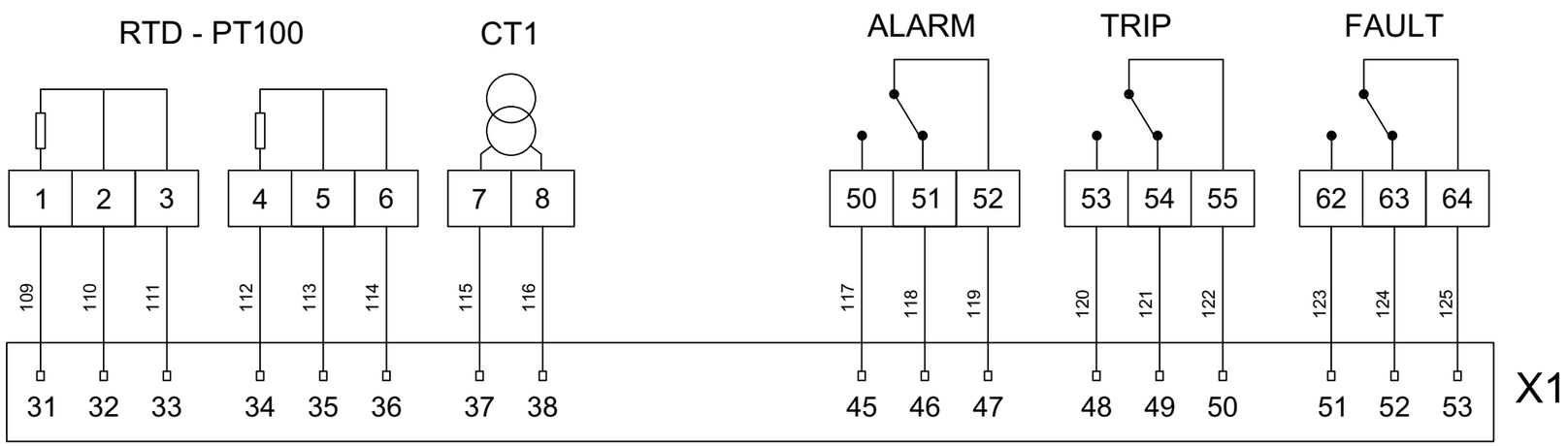
REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723001697-EL-DG-00010 Rev. 03

THERMAL IMAGE - WINDING TEMPERATURE INDICATOR (WTI)

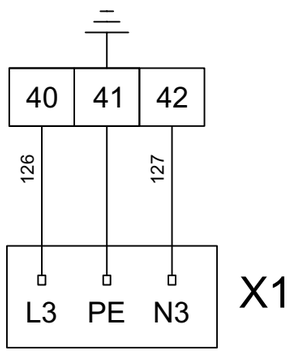
49T (NT133/3)



SETTING:

-	NPT:	2
-	NCT:	1
-	DT:	5
-	CT1:	4.6A
-	TC:	6min
-	OIL ALARM:	90°C
-	WINDING ALARM:	95°C
-	TRIP OIL:	100°C
-	TRIP WINDING:	105°C

Power supply
24-240 Vac-cc



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	10/09/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
02	31/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
01	16/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
00	11/04/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR-100AD1 Termination and Wiring Diagram
THERMAL CONTROL UNIT

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1723001697-EL-DG-00010

SHEET 006

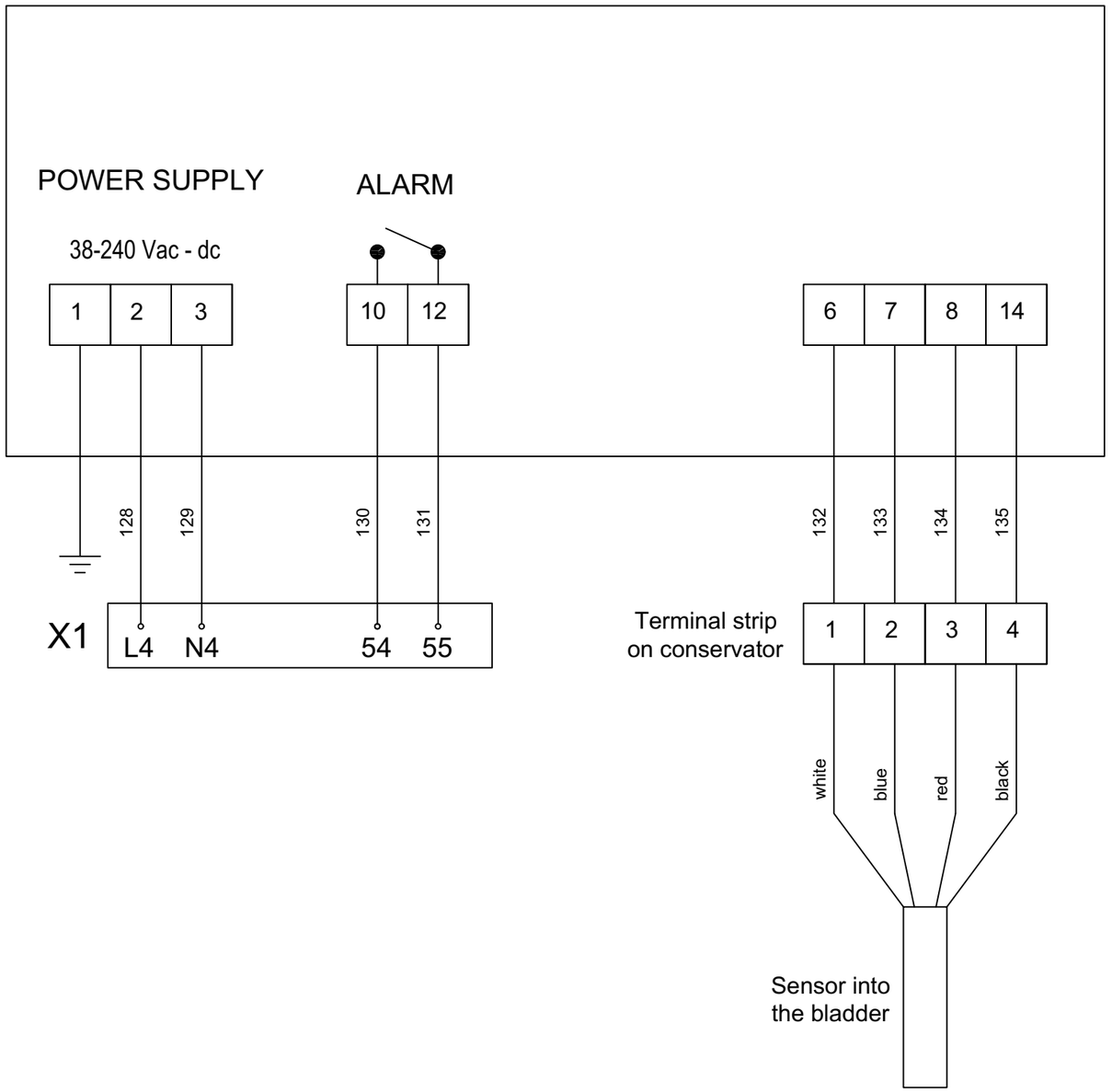
REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723001697-EL-DG-00010 Rev. 03

BLADDER RUPTURE RELAY

98T.1 (STP-BRR)



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	10/09/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
02	31/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
01	16/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
00	11/04/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR-100AD1 Termination and Wiring Diagram
FRONT PAGE

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

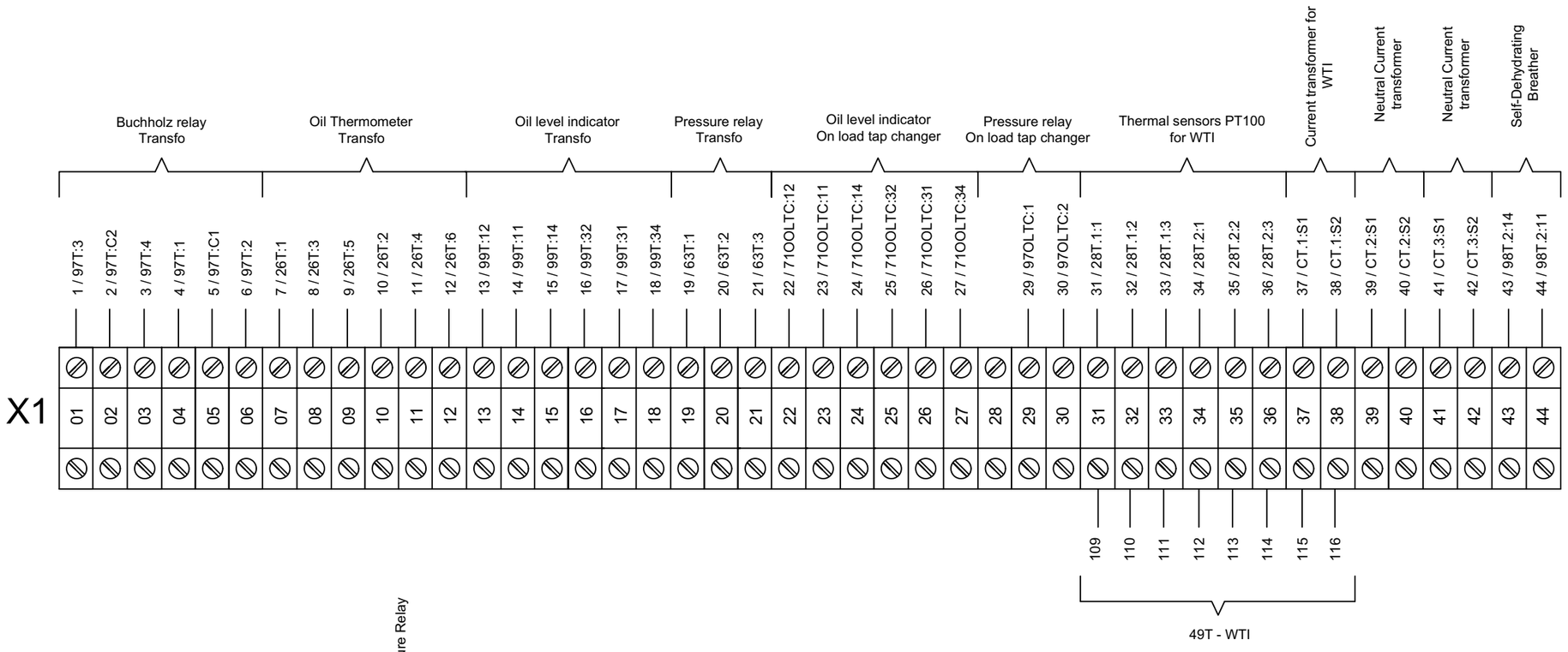
DRAWING NO. 1723001697-EL-DG-00010

SHEET 007

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723001697-EL-DG-00010 Rev. 03



ALL PE CONDUCTORS WILL BE CONNECTED AT PE BAR

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	10/09/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
02	31/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
01	16/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
00	11/04/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR-100AD1 Termination and Wiring Diagram
TERMINAL STRIP

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1723001697-EL-DG-00010

SHEET 008

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723001697-EL-DG-00010 Rev. 03

Label	Description	Supplier	Model No.	Quantity	
Q1	MCB	ABB	S202 - C16 + S2C - H6R	1	
H1	CONTROL PANEL LAMP	ARTELETA	230V - 8W	1	
F1	MICROSWITCH	PIZZATO	FM 1815-S1	1	
R1	CONTROL PANEL HEATER - 15W	FANDIS	HWM015	1	
T1	CONTROL PANEL THERMOSTAT	FANDIS	TRT-10A230V-NCF	1	
R2	H.V. 66kV - CABLE BOX HEATER - 100W	FANDIS	HWM0100	1	
T2	H.V. 66kV - CABLE BOX HEATER THERMOSTAT	FANDIS	TRT-10A230V-NCF	1	
R3	L.V. 6.9kV - CABLE BOX HEATER - 100W	FANDIS	HWM0100	1	
T3	L.V. 6.9kV - CABLE BOX HEATER THERMOSTAT	FANDIS	TRT-10A230V-NCF	1	
49T	WINDING TEMPERATURE INDICATOR	TECSYSTEM	NT133	1	
98T.1	BLADDER RUPTURE RELAY	PRONAL	STP-BRR	1	
98T.2	SELF DEHYDRATING BREATHER	COMEM	ESDB 14C	1	
X1	TERMINAL STRIP	PHOENIX	ST2.5	70	

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	10/09/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
02	31/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
01	16/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
00	11/04/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
TR-100AD1 Termination and Wiring Diagram
EQUIPMENT LIST

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1723001697-EL-DG-00010

SHEET 009

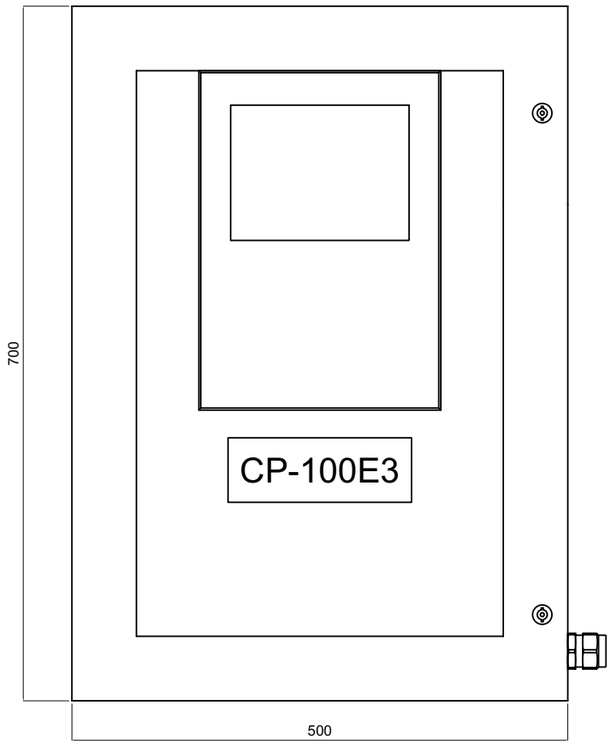
REV. 03

F.to UNI A3: 420mmx297mm

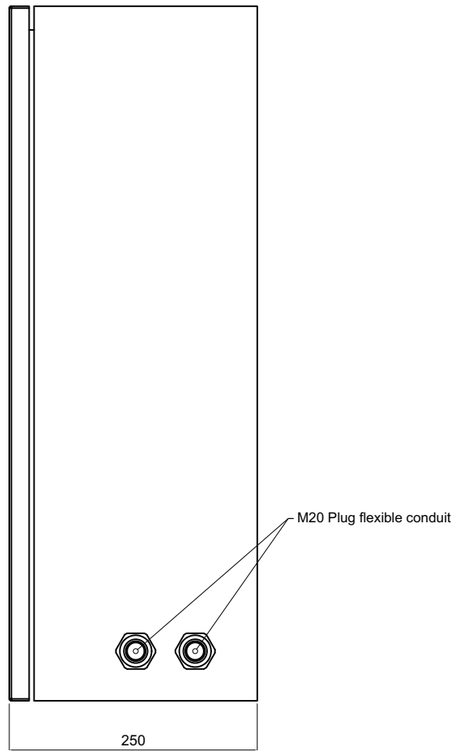
File Name : 1723001697-EL-DG-00010 Rev. 03

LAYOUT - AVR PANEL

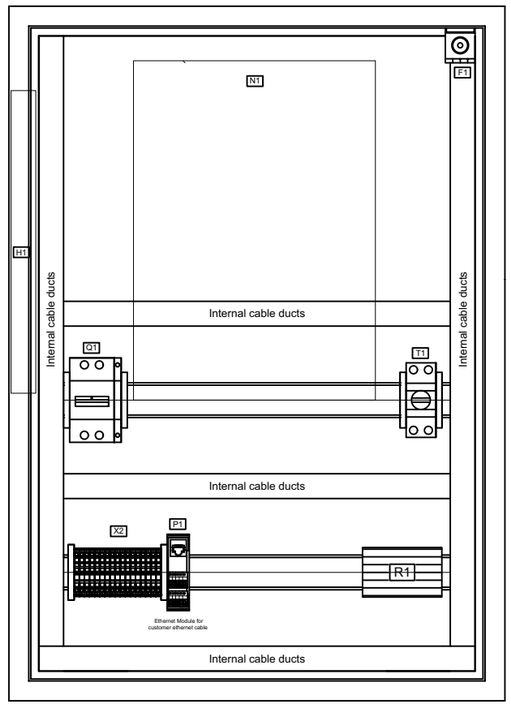
Frontal view



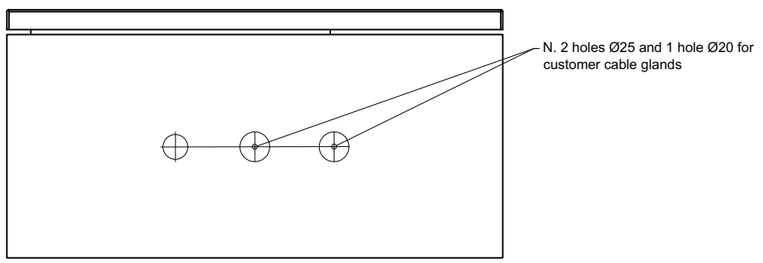
Left side view



Internal view



Bottom view



AUXILIARY CONTROL PANEL	
PROTECTION DEGREE :	IP65
VENTILATION :	NATURAL
BOX MATERIAL :	STAINLESS STEEL 15/10
INTERNAL REMOVABLE PLATE :	STELL 15/10

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	10/09/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
02	31/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
01	16/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
00	11/04/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR-100AD1 Termination and Wiring Diagram
LAYOUT - AVR PANEL

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1723001697-EL-DG-00010

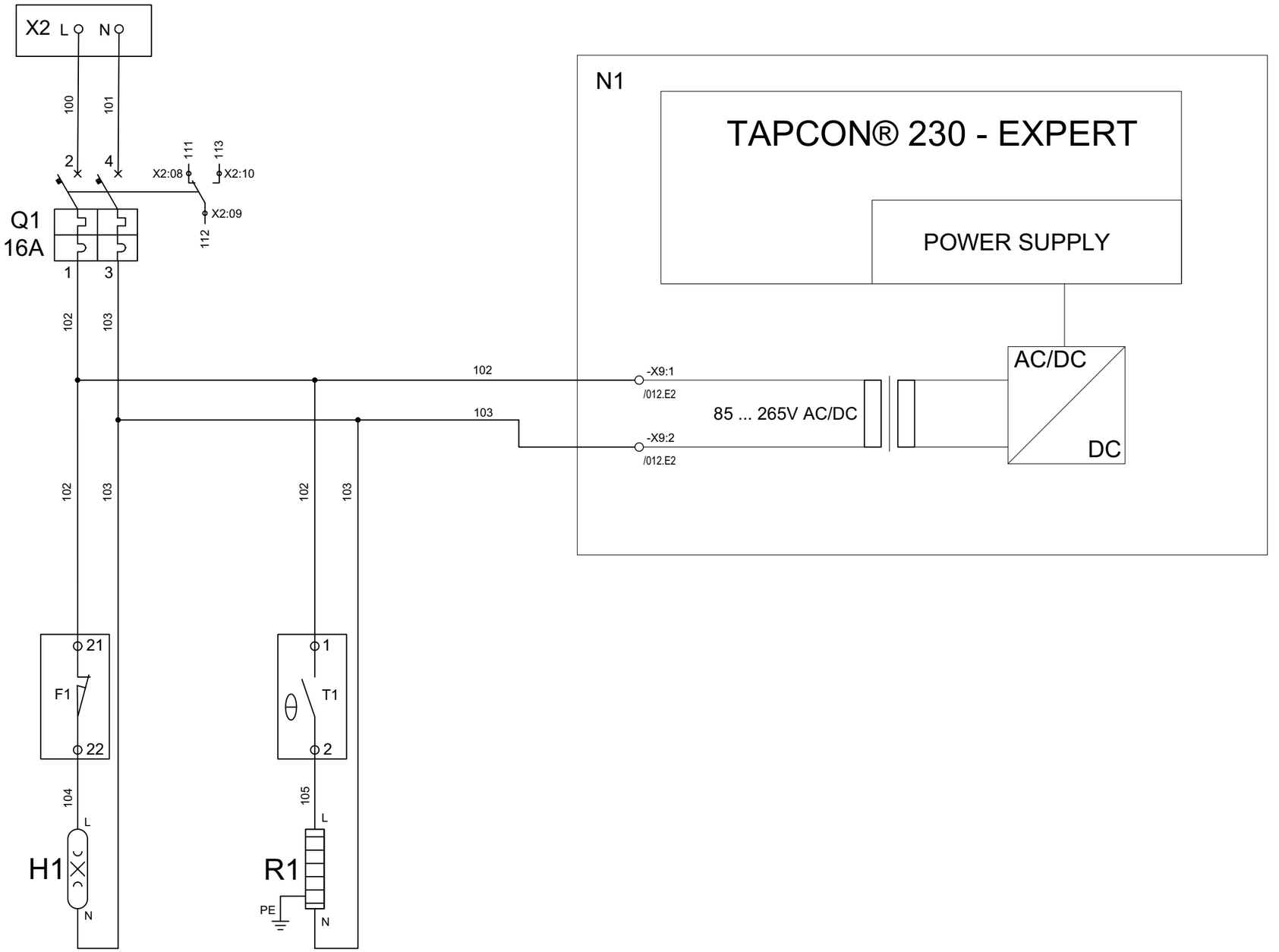
SHEET 010

REV. 03

File Name : 1723001697-EL-DG-00010 Rev. 03

F.to UNI A3: 420mmx297mm

1Ph+N/Pe = 50Hz 230V
Power supply



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	10/09/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
02	31/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
01	16/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
00	11/04/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR-100AD1 Termination and Wiring Diagram
LAYOUT – AVR PANEL

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1723001697-EL-DG-00010

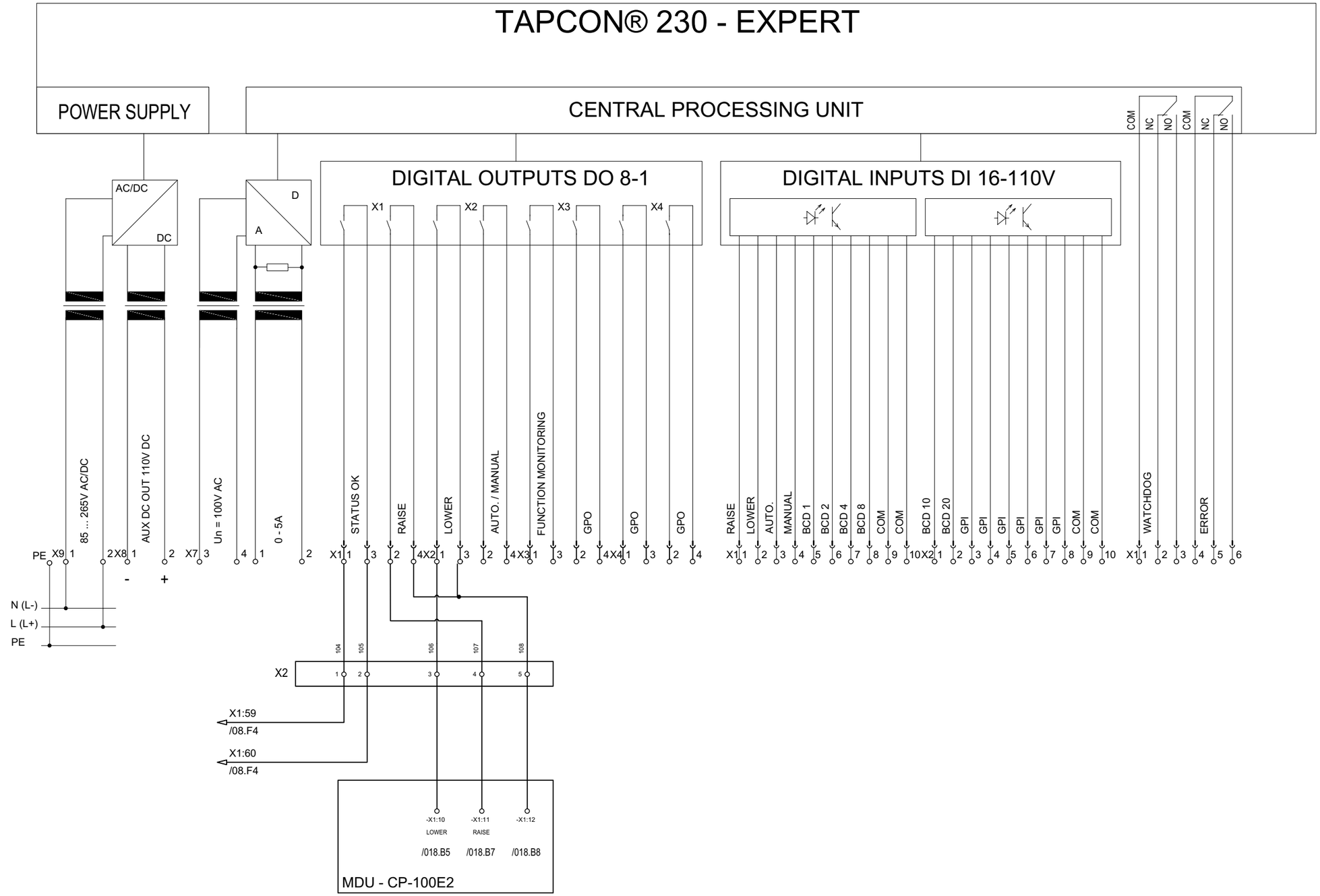
SHEET 011

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723001697-EL-DG-00010 Rev. 03

TAPCON® 230 - EXPERT



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	10/09/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
02	31/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
01	16/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
00	11/04/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR–100AD1 Termination and Wiring Diagram
INTERNAL POWER CIRCUIT DIAGRAM – AVR PANEL

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1723001697–EL–DG–00010

SHEET 012

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723001697–EL–DG–00010 Rev. 03

TAPCON® 230 - EXPERT

CENTRAL PROCESSING UNIT

COM

SCADA ETHERNET
RJ45

DIGITAL OUTPUTS DO 8-2

X1 X2 X3 X4

GPO

X1 1 3 2 X1 1 3 2 4 X2 1 3 2 4 X3 1 3 2 4 X4 1

ANALOG INPUTS AI 4

D A

U+ I+ TAP POSITION I- U- U+ I+ DESIRED VALUE I- U- U+ I+ GPAI I- U- U+ I+ I- POSITION TRANSMITTER MODULE, RESISTOR-TYPE U-

X1 1 2 3 4 X2 1 2 3 4 X3 1 2 3 4 X4 1 2 3 4

RJ45 P1

Ethernet Module for
customer ethernet cable

109 110

X2 6 7

-X1:211 -X1:212
4...20 mA

/021.E4 /021.E4

MDU - CP-100E2

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	10/09/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
02	31/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
01	16/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
00	11/04/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR–100AD1 Termination and Wiring Diagram
INTERNAL POWER CIRCUIT DIAGRAM – AVR PANEL

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

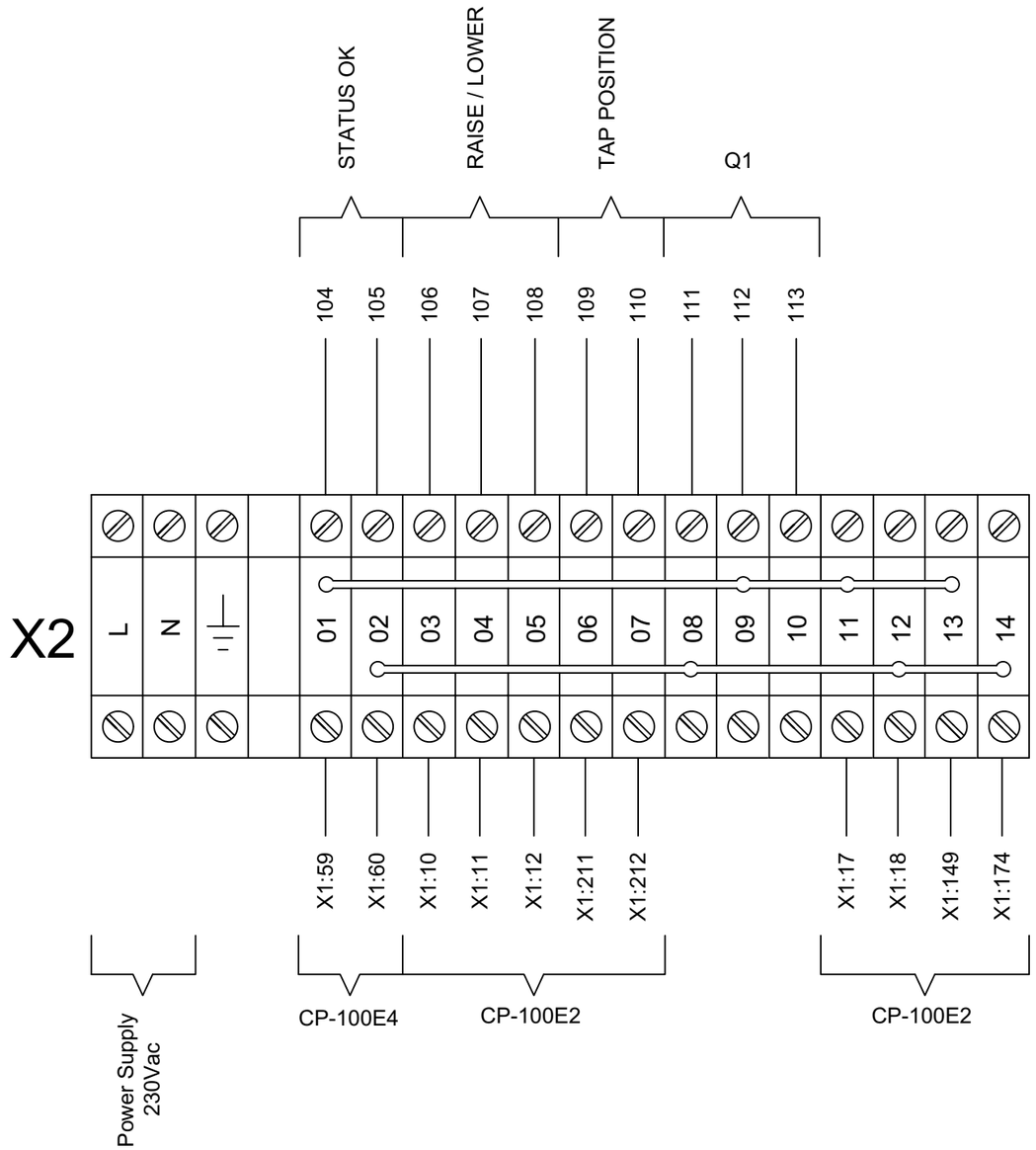
DRAWING NO. 1723001697–EL–DG–00010

SHEET 013

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723001697–EL–DG–00010 Rev. 03



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	10/09/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
02	31/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
01	16/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
00	11/04/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR–100AD1 Termination and Wiring Diagram
TERMINAL STRIP – AVR PANEL

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1723001697–EL–DG–00010

SHEET 014

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723001697–EL–DG–00010 Rev. 03

Label	Description	Supplier	Model No.	Quantity	
Q1	MCB	ABB	S202 - C16 + S2C - H6R	1	
H1	CONTROL PANEL LAMP	ARTELETA	230V - 8W	1	
F1	MICROSWITCH	PIZZATO	FM 1815-S1	1	
R1	CONTROL PANEL HEATER - 15W	FANDIS	HWM015	1	
T1	CONTROL PANEL THERMOSTAT	FANDIS	TRT-10A230V-NCF	1	
N1	AUTOMATIC VOLTAGE REGULATOR	MR	TAPCON EXPERT	1	
P1	PASSIVE MODULE ETHERNET CABLE CONNECTOR	PHOENIX	UMK-RJ45/S/8PTDA	1	
X2	TERMINAL STRIP	PHOENIX	ST2.5	11	

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	10/09/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
02	31/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
01	16/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
00	11/04/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR-100AD1 Termination and Wiring Diagram
EQUIPMENT LIST - AVR PANEL

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1723001697-EL-DG-00010

SHEET 015

REV. 03

File Name : 1723001697-EL-DG-00010 Rev. 03

F.to UNI A3: 420mmx297mm

CP-100E2
MDU - MOTOR DRIVE UNIT
WIRING DIAGRAM

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	10/09/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
02	31/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
01	16/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
00	11/04/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR-100AD1 Termination and Wiring Diagram
MDU - WIRINGS

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

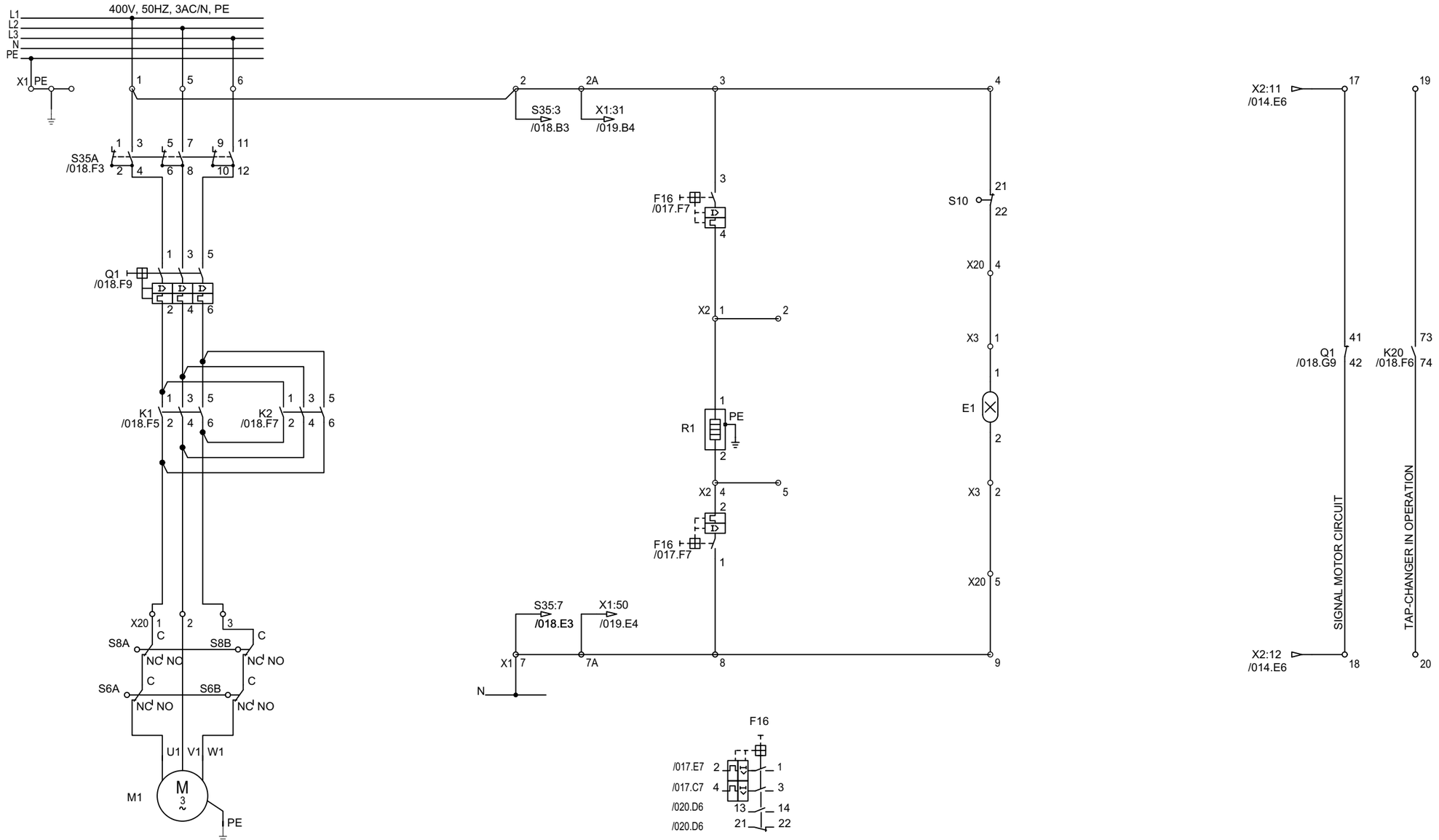
DRAWING NO. 1723001697-EL-DG-00010

SHEET 016

REV. 03

File Name : 1723001697-EL-DG-00010 Rev. 03

F.to UNI A3: 420mmx297mm



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	10/09/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
02	31/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
01	16/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
00	11/04/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR–100AD1 Termination and Wiring Diagram
MDU – WIRINGS

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1723001697–EL–DG–00010

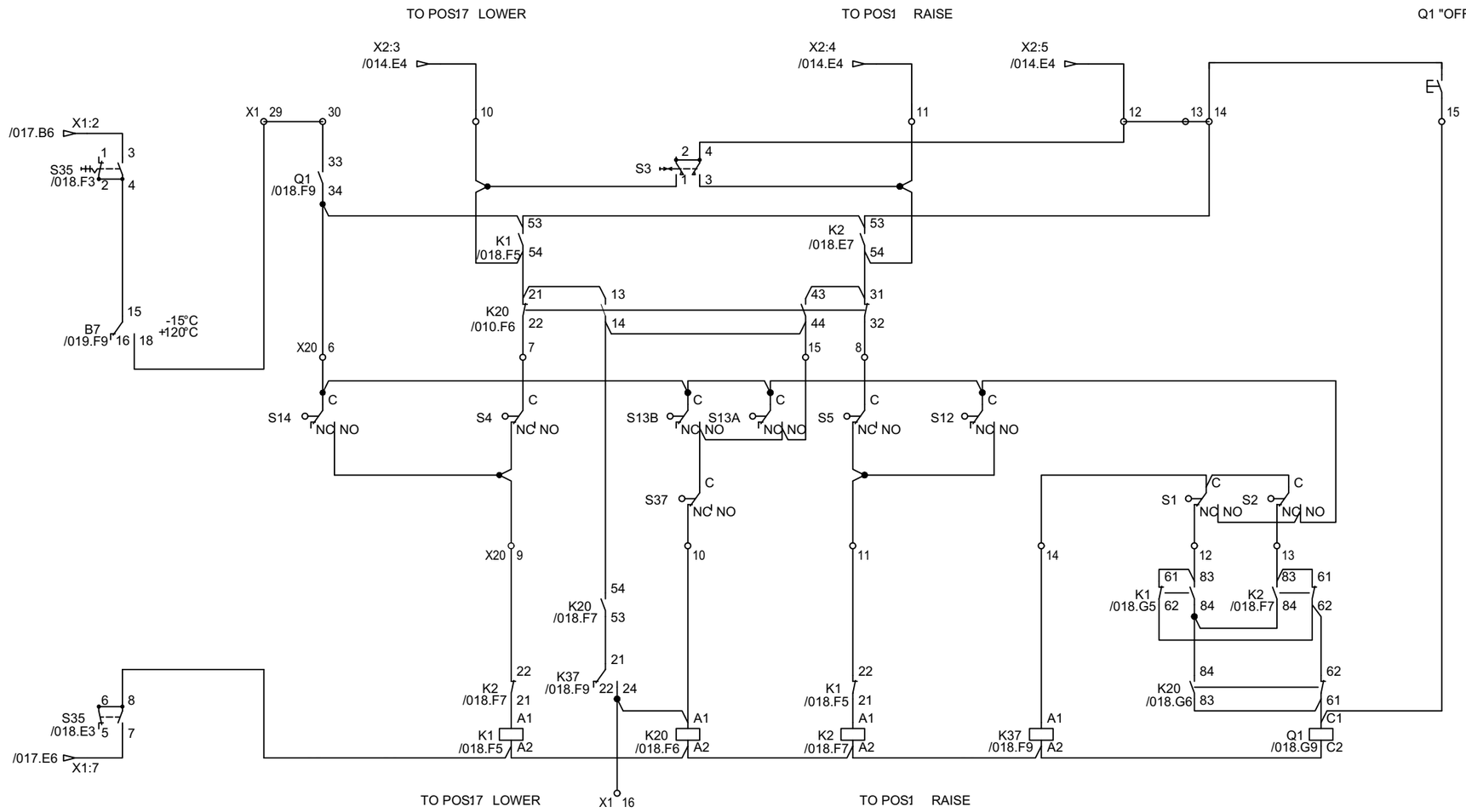
SHEET 017

REV. 03

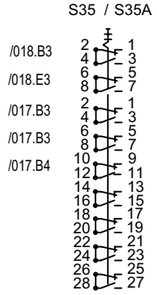
F.to UNI A3: 420mmx297mm

File Name : 1723001697–EL–DG–00010 Rev. 03

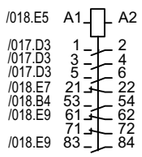
WITH STEP-BY-STEP OPERATION



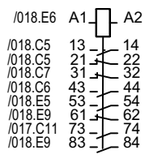
S35 / S35A



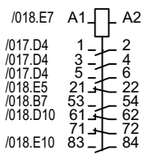
K1



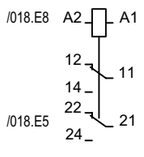
K20



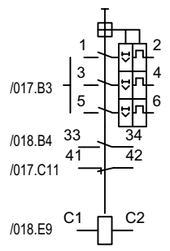
K2



K37



Q1



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	10/09/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
02	31/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
01	16/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
00	11/04/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR-100AD1 Termination and Wiring Diagram
MDU – WIRINGS

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1723001697-EL-DG-00010

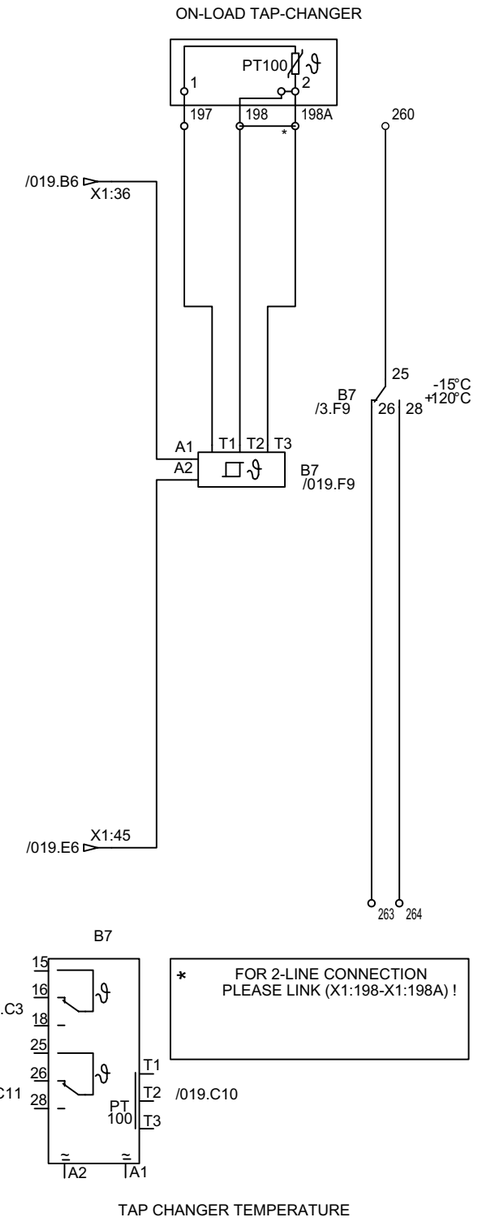
SHEET 018

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723001697-EL-DG-00010 Rev. 03





REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	10/09/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
02	31/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
01	16/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
00	11/04/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR-100AD1 Termination and Wiring Diagram
MDU - WIRINGS

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

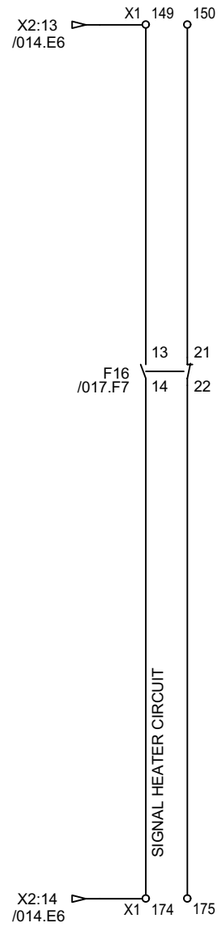
DRAWING NO. 1723001697-EL-DG-00010

SHEET 019

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723001697-EL-DG-00010 Rev. 03



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	10/09/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
02	31/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
01	16/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
00	11/04/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR-100AD1 Termination and Wiring Diagram
MDU - WIRINGS

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

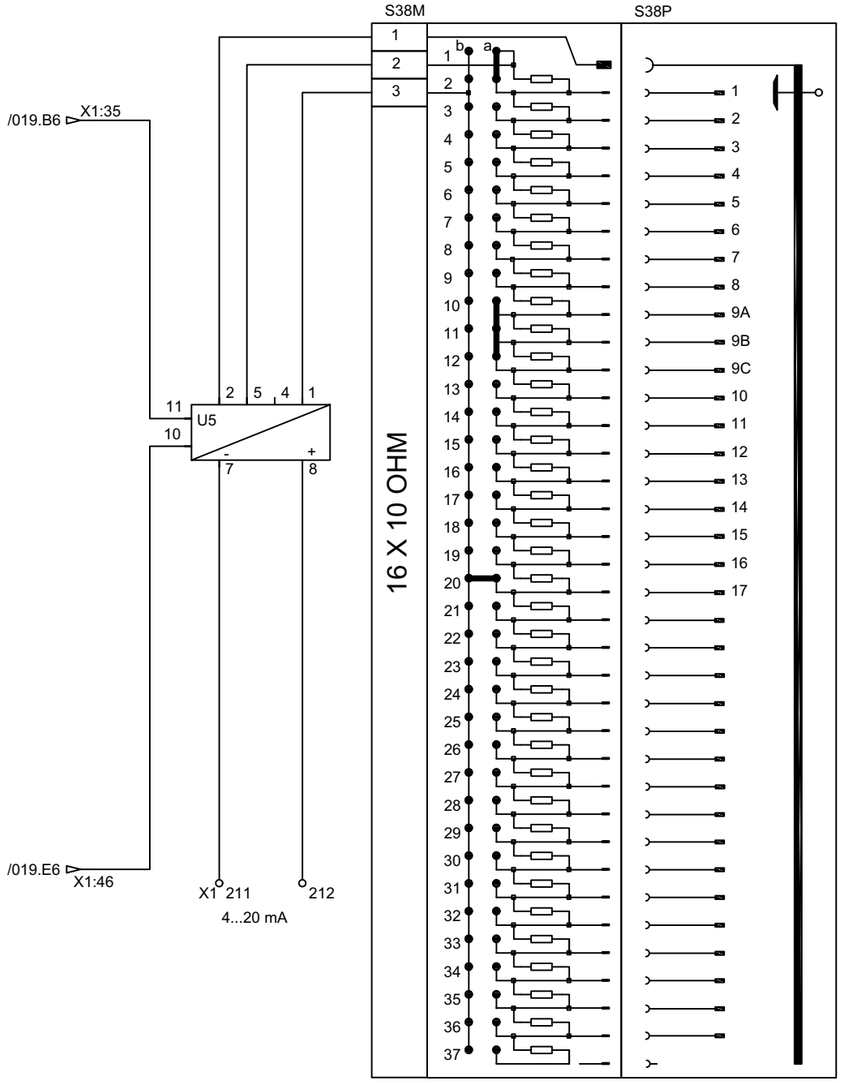
DRAWING NO. 1723001697-EL-DG-00010

SHEET 020

REV. 03

File Name : 1723001697-EL-DG-00010 Rev. 03

F.to UNI A3: 420mmx297mm



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	10/09/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
02	31/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
01	16/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
00	11/04/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR-100AD1 Termination and Wiring Diagram
MDU – WIRINGS

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

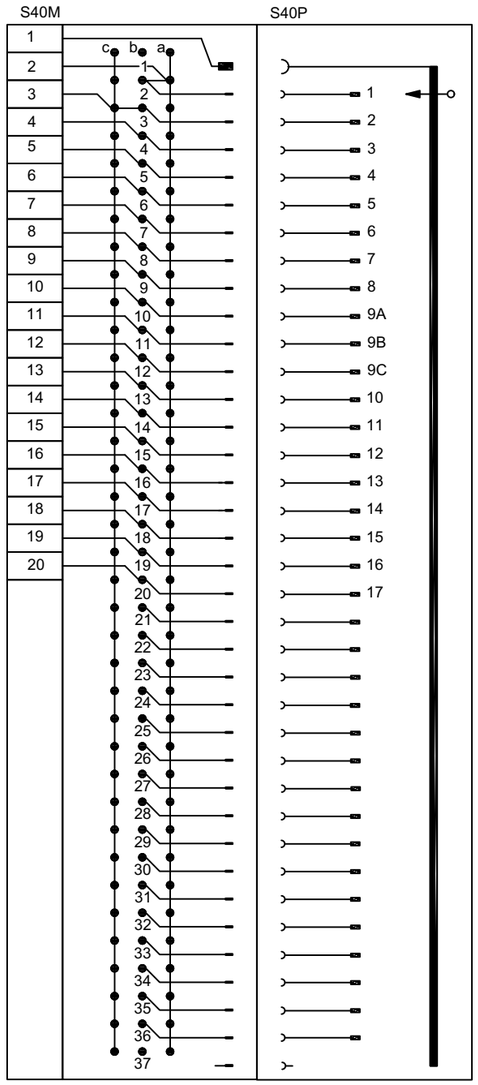
DRAWING NO. 1723001697-EL-DG-00010

SHEET 021

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723001697-EL-DG-00010 Rev. 03



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	10/09/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
02	31/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
01	16/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
00	11/04/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR-100AD1 Termination and Wiring Diagram
MDU - WIRINGS

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1723001697-EL-DG-00010

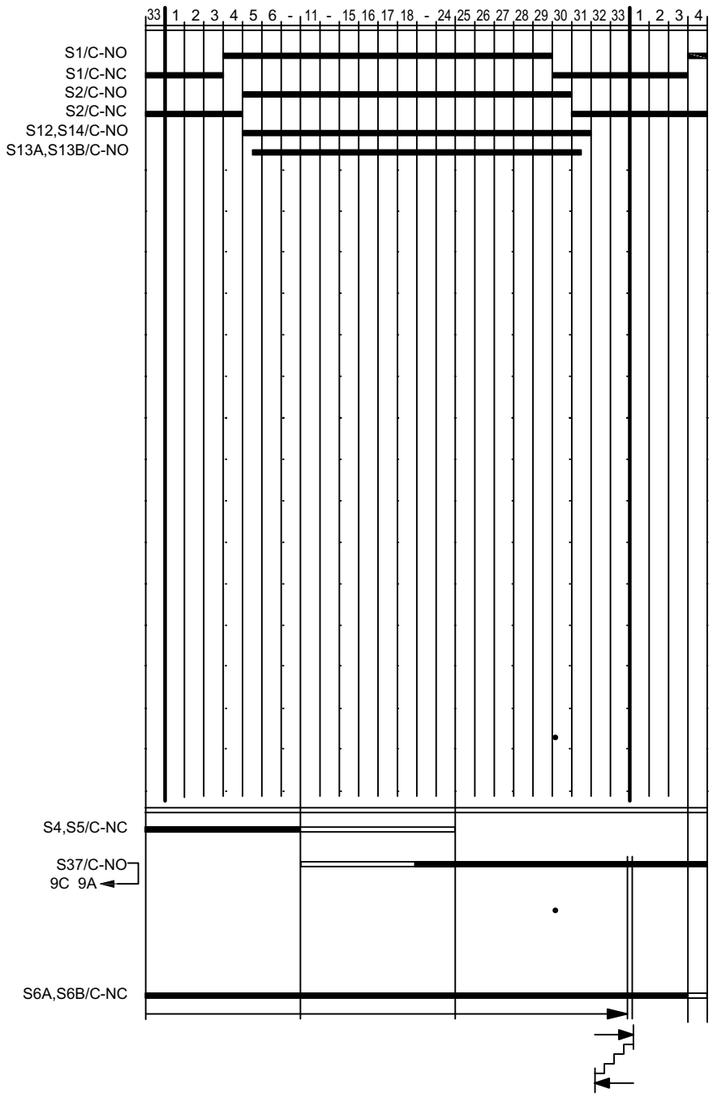
SHEET 022

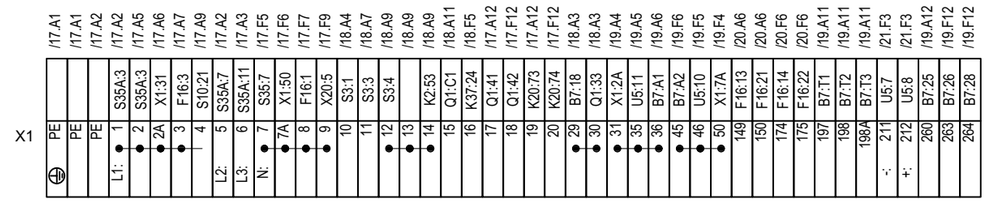
REV. 03

File Name : 1723001697-EL-DG-00010 Rev. 03

F.to UNI A3: 420mmx297mm

B7	MEASURING AMPLIFIER
E1	HAND LAMP
F16	AUTOMATIC CUT-OUT
K1	MOTOR CONTACTOR
K2	MOTOR CONTACTOR
K20	AUXILIARY CONTACTOR
K37	COUPLING RELAY FOR AUTOMATIC PASSAGE OF POSITIONS
M1	MOTOR
Q1	MOTOR PROTECTIVE SWITCH
R1	HEATER
S1	CAM-OPERATED SWITCH
S2	CAM-OPERATED SWITCH
S3	RAISE/LOWER CONTROL SWITCH
S4	END POSITION SWITCH
S5	END POSITION SWITCH
S6A	END POSITION SWITCH
S6B	END POSITION SWITCH
S8A	HAND CRANK SAFETY SWITCH
S8B	HAND CRANK SAFETY SWITCH
S10	DOOR CONTACT
S12	CAM-OPERATED DIRECTIONAL SWITCH
S13A	CAM-OPERATED DIRECTIONAL SWITCH
S13B	CAM-OPERATED DIRECTIONAL SWITCH
S14	CAM-OPERATED DIRECTIONAL SWITCH
S35	MAIN SWITCH
S35A	MAIN SWITCH
S37	SWITCH FOR AUTOMATIC PASSAGE OF POSITIONS
S38M	POSITION TRANSMITTER MODULE, RESISTOR-TYPE
S38P	POSITION TRANSMITTER BOARD
S40M	POSITION TRANSMITTER MODULE WITH N/O CONTACT RANGE
S40P	POSITION TRANSMITTER BOARD
U5	MEASURING TRANSDUCER
X1	TERMINAL
X2	TERMINAL
X3	TERMINAL
X20	TERMINAL





REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	10/09/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
02	31/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
01	16/07/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)
00	11/04/24	ML	MF	MF	ISSUE FOR INFORMATION (IFI)

MF Trasformatori srl

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
TR-100AD1 Termination and Wiring Diagram
EQUIPMENT LIST – AVR PANEL

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1723001697-EL-DG-00010

SHEET 023

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723001697-EL-DG-00010 Rev. 03