

NAPC 1263.4

WIRING DIAGRAM

Project		Technical Data	
Order	OVF2600046-1000	Operating Voltage	400 [Vac]
Customer order	4500227826	Low-Voltage	24 [Vac]
Item Code	00C0011881-20	Frequency	50 [Hz]
Description	NAPC1263.4/ 4	Total Current	8 [A]
Electrical Drawing	E0C0011881-20	Total Power supply	4,1 [kW]
Date	04/02/2026		
		Protection class	IP55

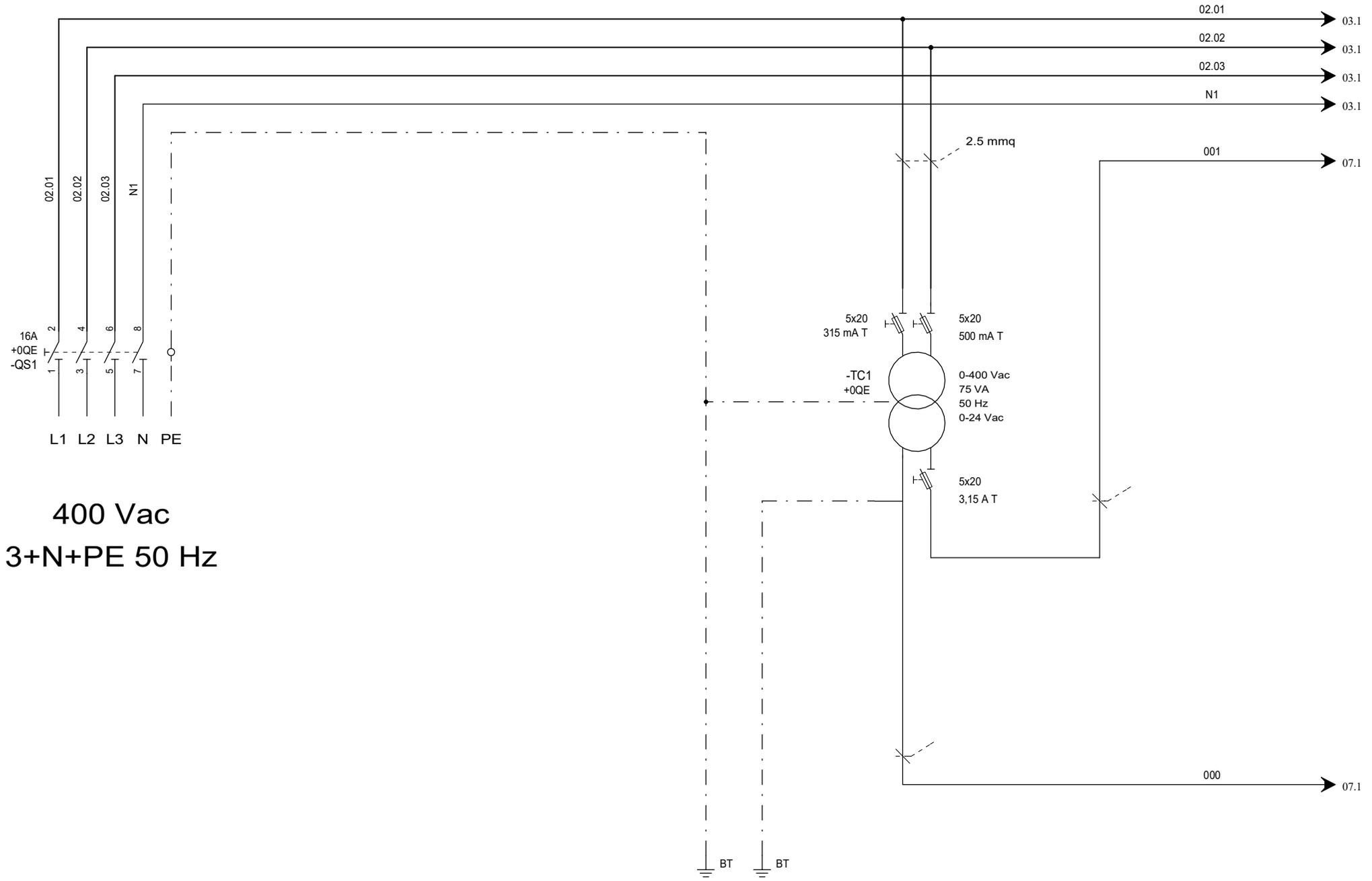
Comments Power line protections must be provided by the user as provided by regulations in force at the place of installation.

An differential circuit breaker mounted before this switchboard is recommended for proper installation in TN and TT system as per EN 6024-01, the PE conductor must be earthed.

In IT systems, the unit must be protected by the customer against indirect contact by continuous insulation monitoring device as per IEC60364-4-41.

0		04/02/2026	A B	A G	
Review	Modifications	Date	Prepared	Verified	

IT IS FORBIDDEN TO HAND IN THIS DOCUMENT TO THIRD PARTIES, TO COPY IT, TO MAKE USE OF ITS CONTENTS AND TO DISCLOSE IT TO THIRD PARTIES WITHOUT OUR EXPLICIT AUTHORIZATION. A COMPENSATION FOR THE DAMAGES OCCURRED WILL BE ASKED FOR EVERY INFRACTION.ALL RIGHTS ARE RESERVED.

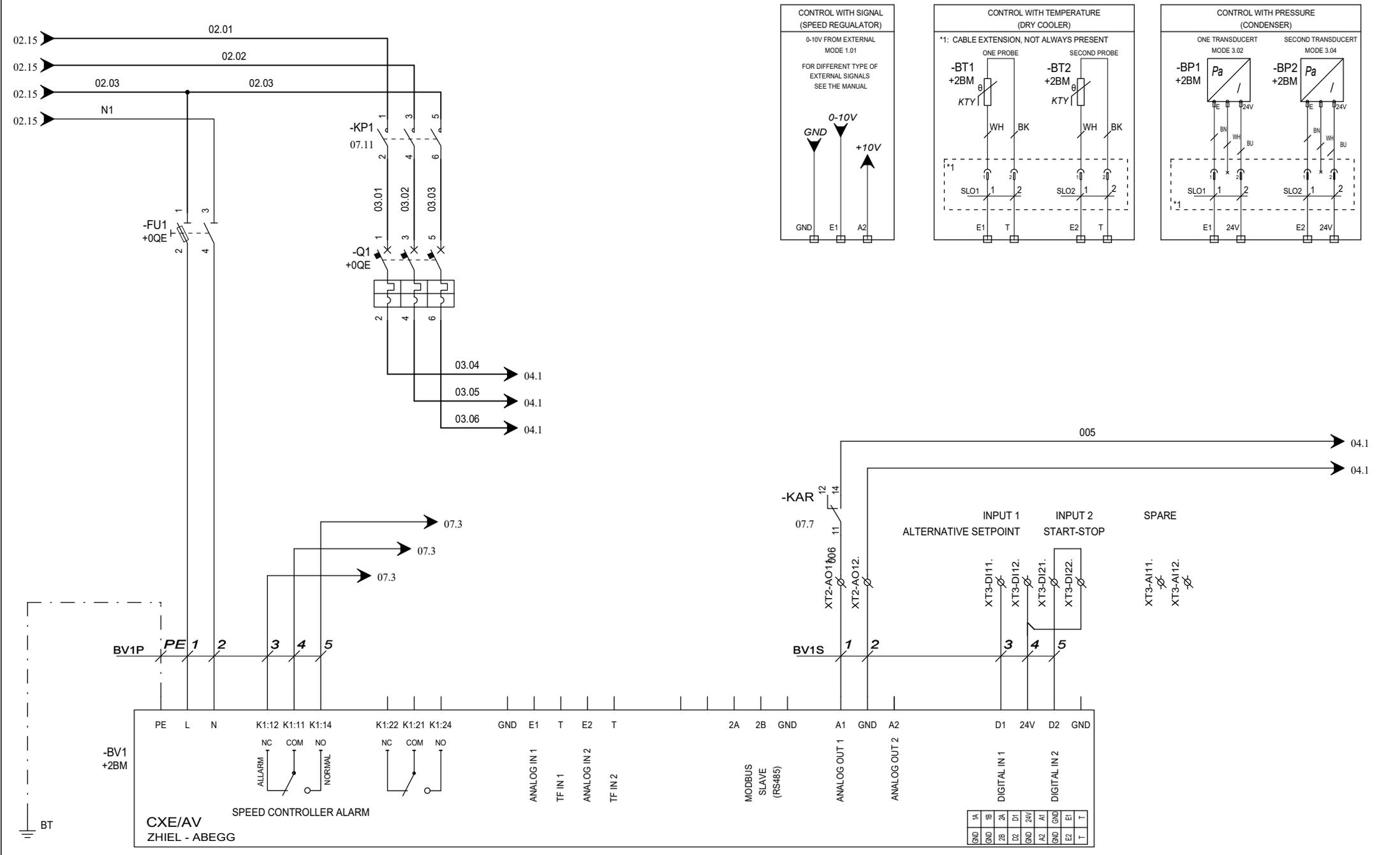


NAPC 1263.4

Project : CNEC . U . . 16 . . 06.M1.V400F3H50N	
Internal order : 04804632	
Customer : 0480	Customer order :
Title : Power circuit	
Draughtsman : E.A.	
Date : 03/05/2017	

Sheet	02
Of	16
01 ◀▶ 03	

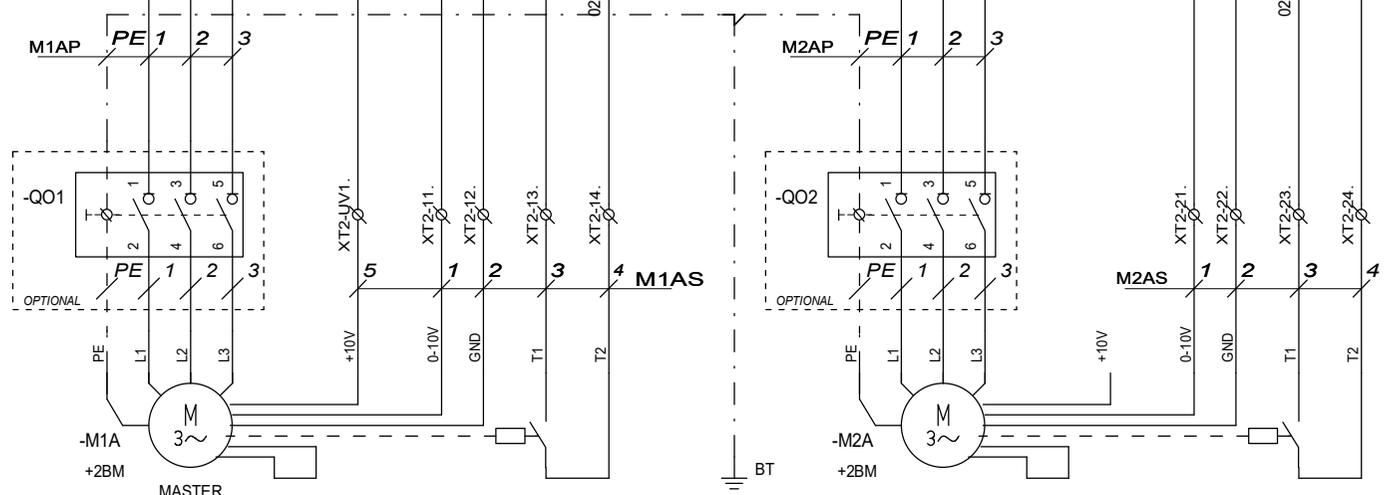
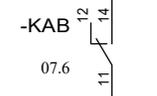
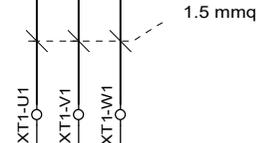
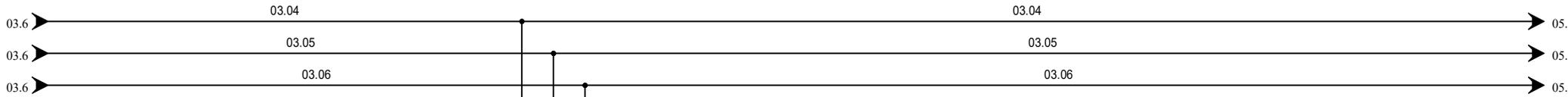
Rev.	Date	Signat.	Modification
1	03/02/2010		



1	03/02/2010		
Rev.	Date	Signat.	Modification

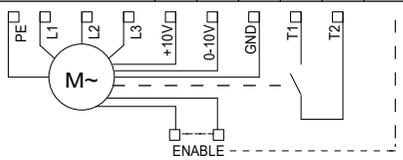
NAPC 1263.4

Project : CNEC . U . . 16 . . 06.M1.V400F3H50N		Sheet 03
Internal order : 04804632		Of 16
Customer : 0480	Customer order :	
Title : Power circuit		
Draughtsman : E.A.		Date : 03/05/2017



MOTOR EC CONNECTIONS TABLE

GENERIC	+10V	0-10V	GND	T1	T2	ENABLE
ZIEHL	10V	E1	GND	11	14	24V - D1
EMB	Vout	IO2	GND	NC	COM	-
HIDRIA R14	+10V	IO2	COM	AK	AK	-
HIDRIA R18	+10V	IO2	COM	AK	AK	10V - IO1
ROSENBERG	+10V	PWM	GND	NC	COM	-



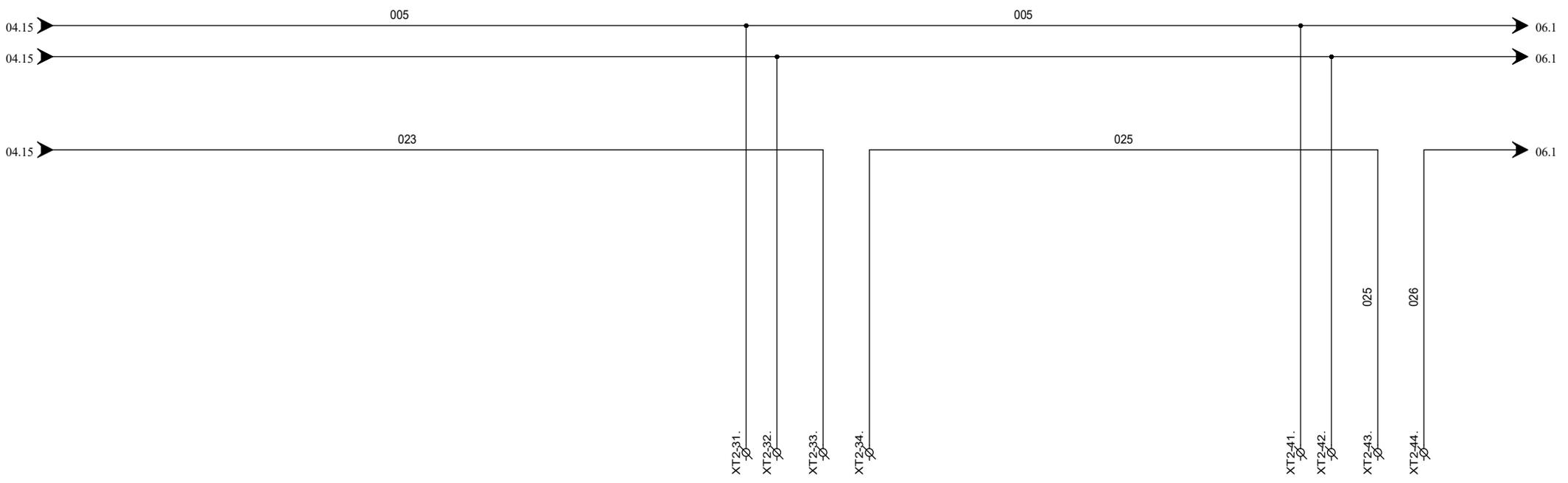
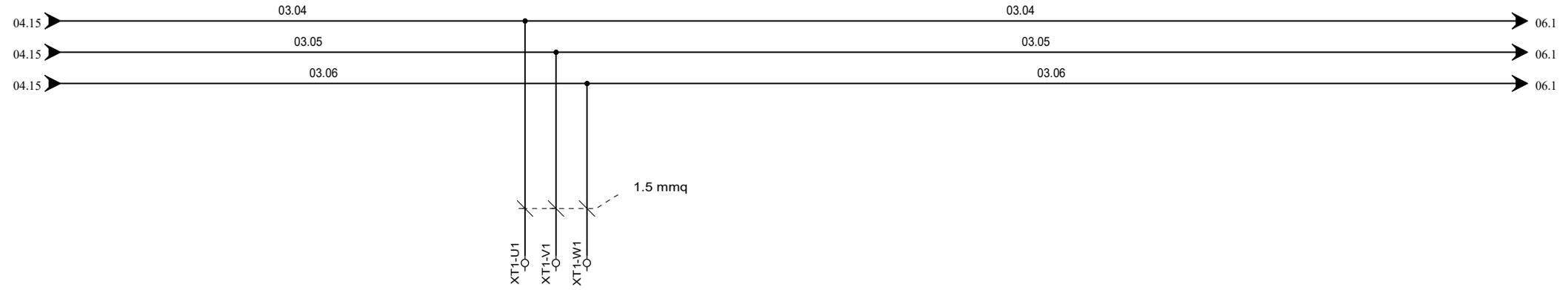
Enable Bridge must be done only where need.

Enable Bridge must be done only where need.

NAPC 1263.4

Project :	CNEC . U . . 16 . . 06.M1.V400F3H50N
Internal order :	04804632
Customer :	0480
Customer order :	
Title :	Power circuit
Draughtsman :	E.A.
Date :	03/05/2017

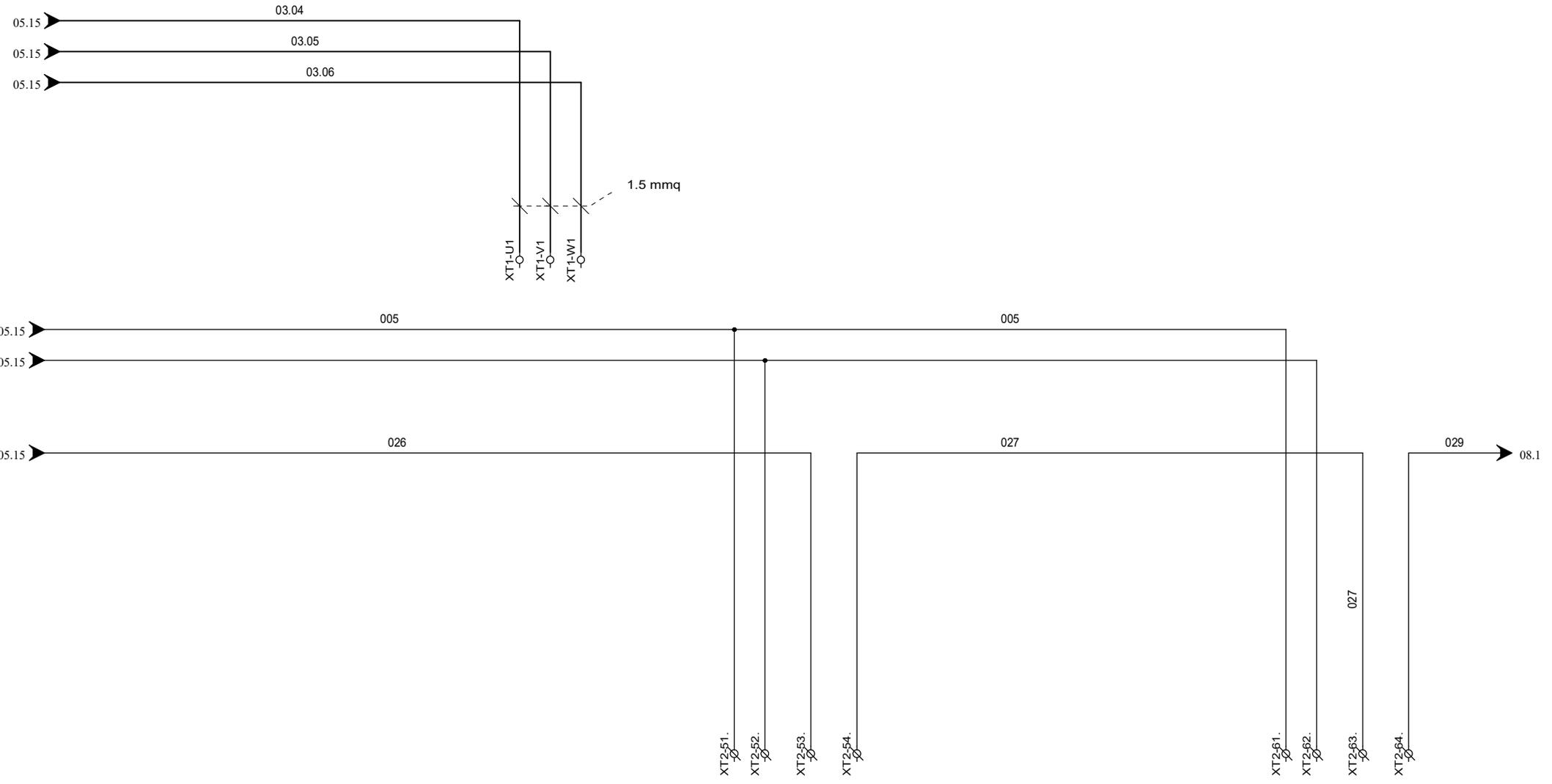
Rev.	Date	Signat.	Modification
1	03/02/2010		



1	03/02/2010		
Rev.	Date	Signat.	Modification

NAPC 1263.4

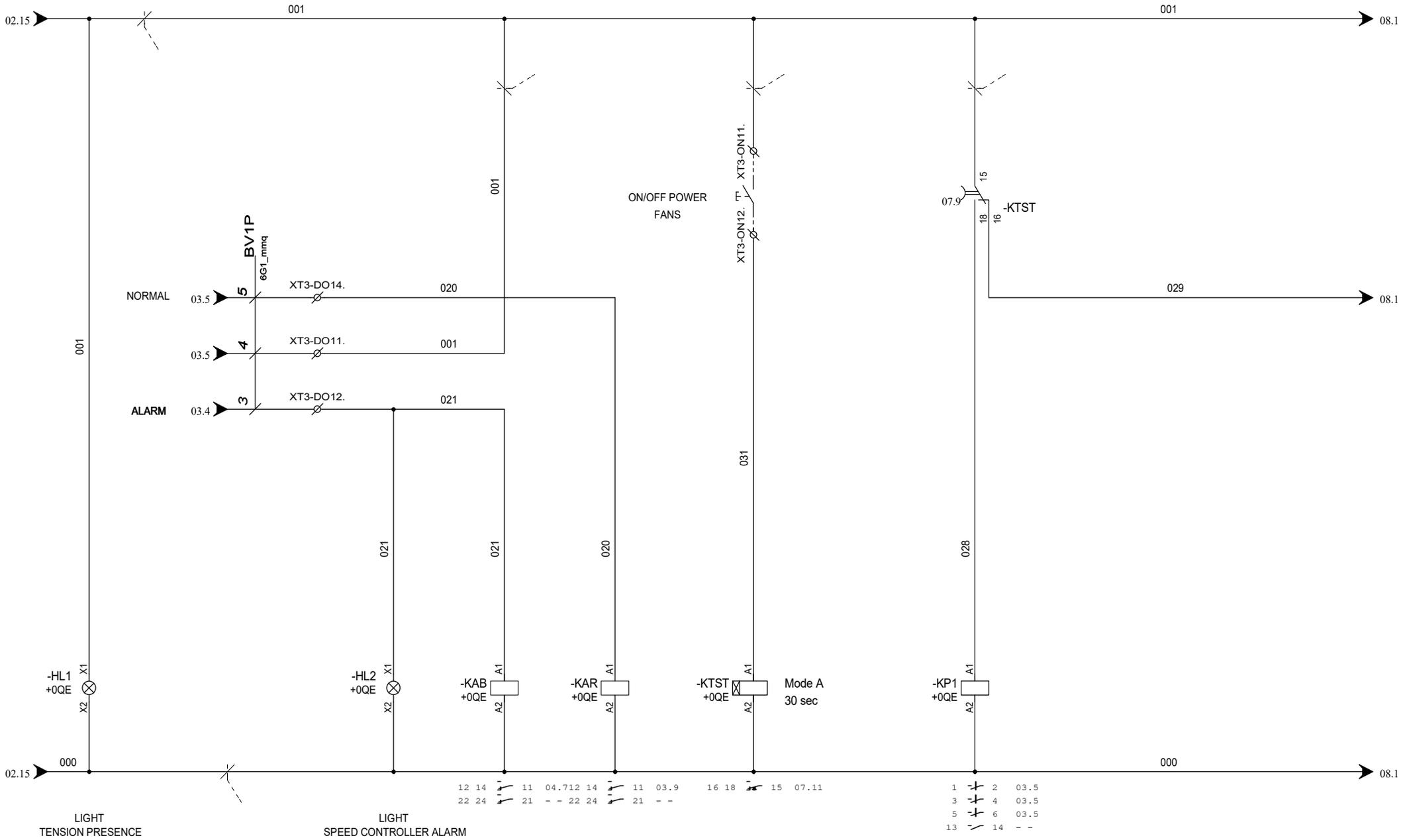
Project : CNEC . U . . 16 . . 06.M1.V400F3H50N	
Internal order : 04804632	
Customer : 0480	Customer order :
Title : Power circuit	
Draughtsman : E.A.	
Date : 03/05/2017	



1	03/02/2010		
Rev.	Date	Signat.	Modification

NAPC 1263.4

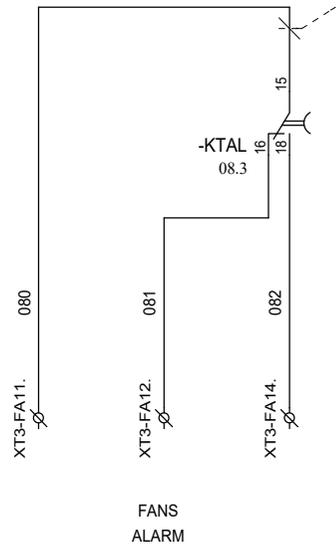
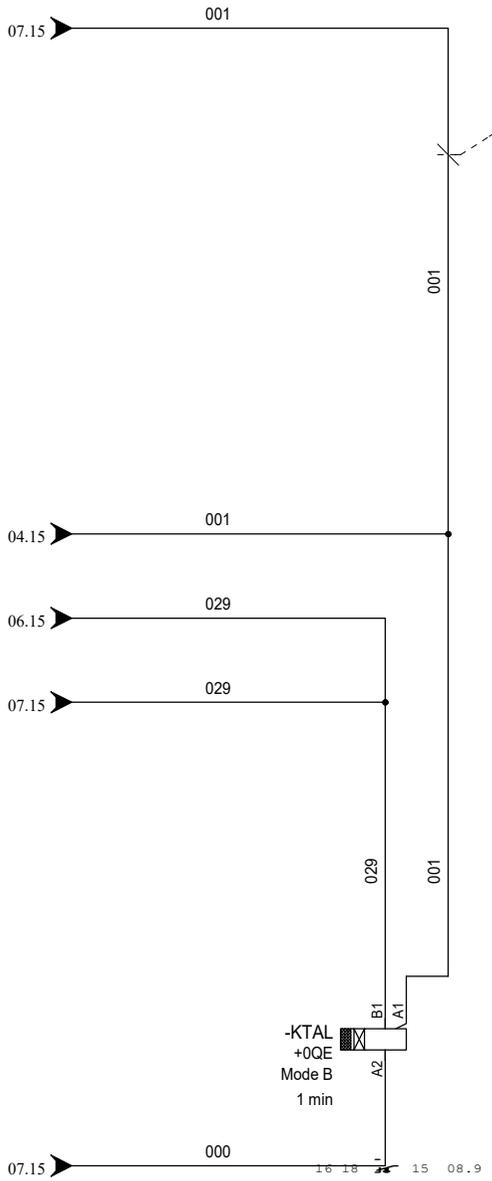
Project : CNEC . U . . 16 . . .06.M1.V400F3H50N	
Internal order : 04804632	
Customer : 0480	Customer order :
Title : Power circuit	
Draughtsman : E.A.	
Date : 03/05/2017	



Rev.	Date	Signat.	Modification
1	03/02/2010		

NAPC 1263.4

Project :	CNEC . U . . 16 . . 06.M1.V400F3H50N	Sheet	07
Internal order :	04804632	Of	16
Customer :	0480	Customer order :	
Title :	Control circuit		
Draughtsman :	E.A.	Date :	03/05/2017

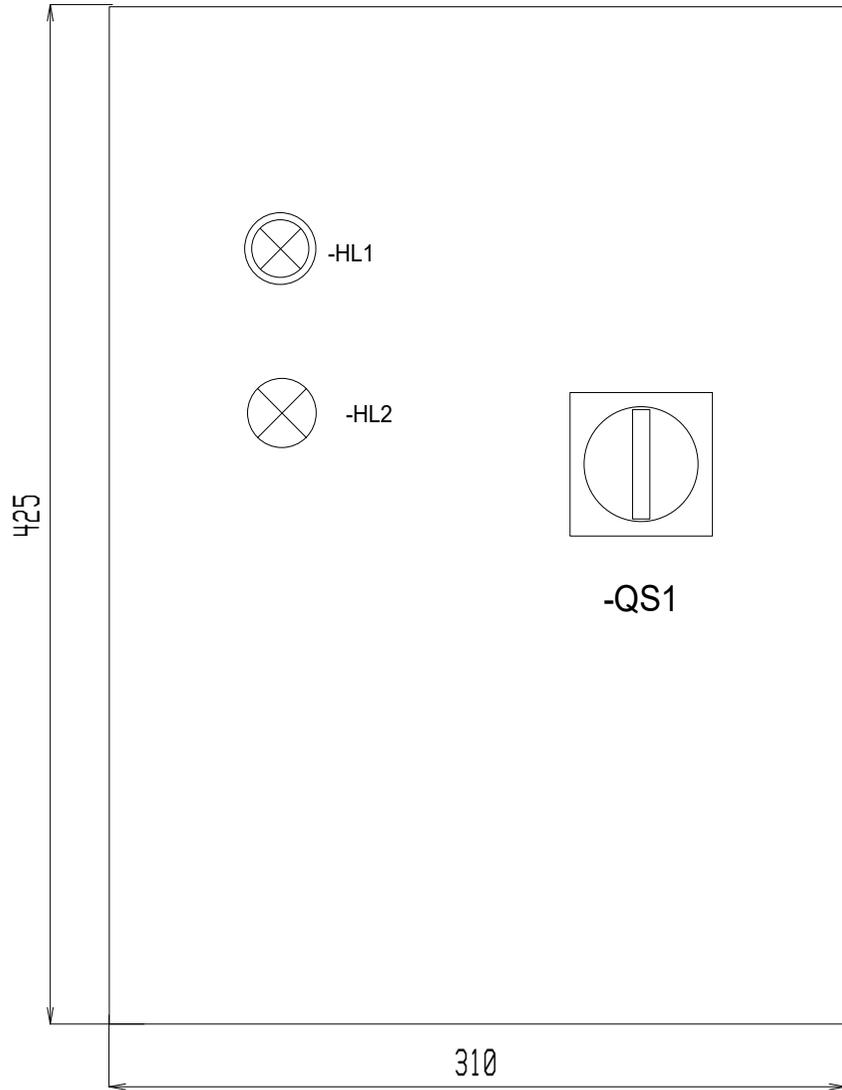


Rev.	Date	Signat.	Modification
1	03/02/2010		

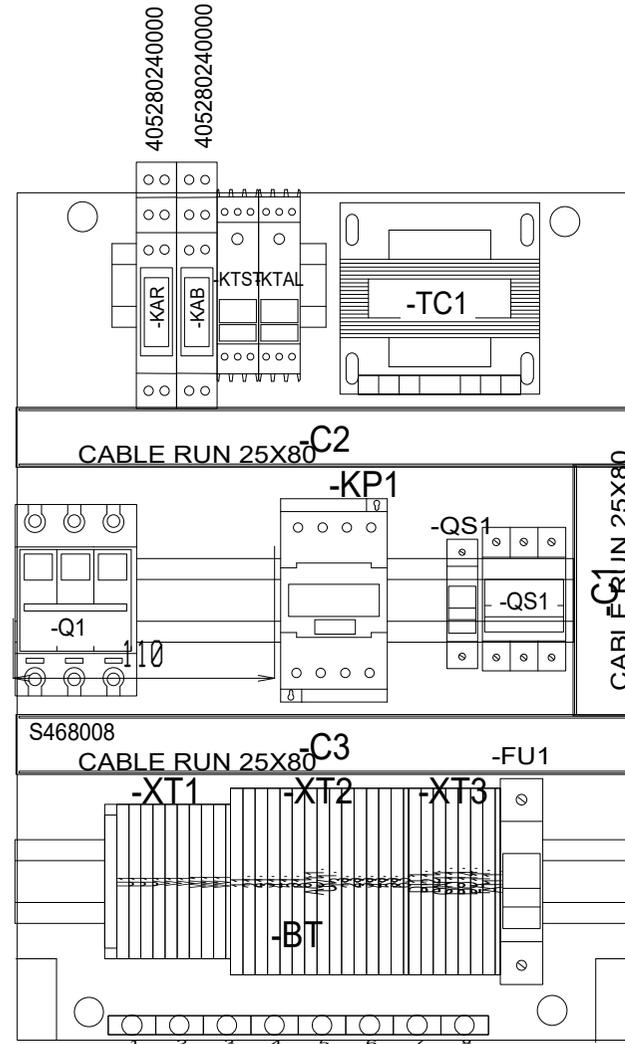
NAPC 1263.4

Project : CNEC . U . . 16 . . 06.M1.V400F3H50N	
Internal order : 04804632	
Customer : 0480	Customer order :
Title : Control circuit	
Draughtsman : E.A.	Date : 03/05/2017

DIMENSIONS:



DOOR

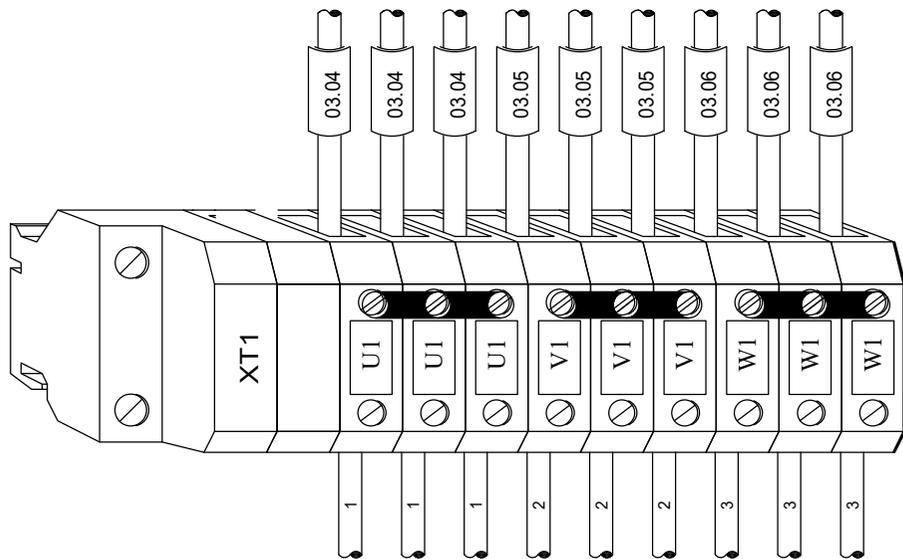


ELECTRICALBOARD PLATE

NAPC 1263.4

Project :	CNEC . U . . 16 . . 06.M1.V400F3H50N	Sheet	09
Internal order :	04804632	Of	16
Customer :	0480	Customer order :	
Title :	Layout		
Draughtsman :	E.A.	Date :	03/05/2017

Rev.	Date	Signat.	Modification

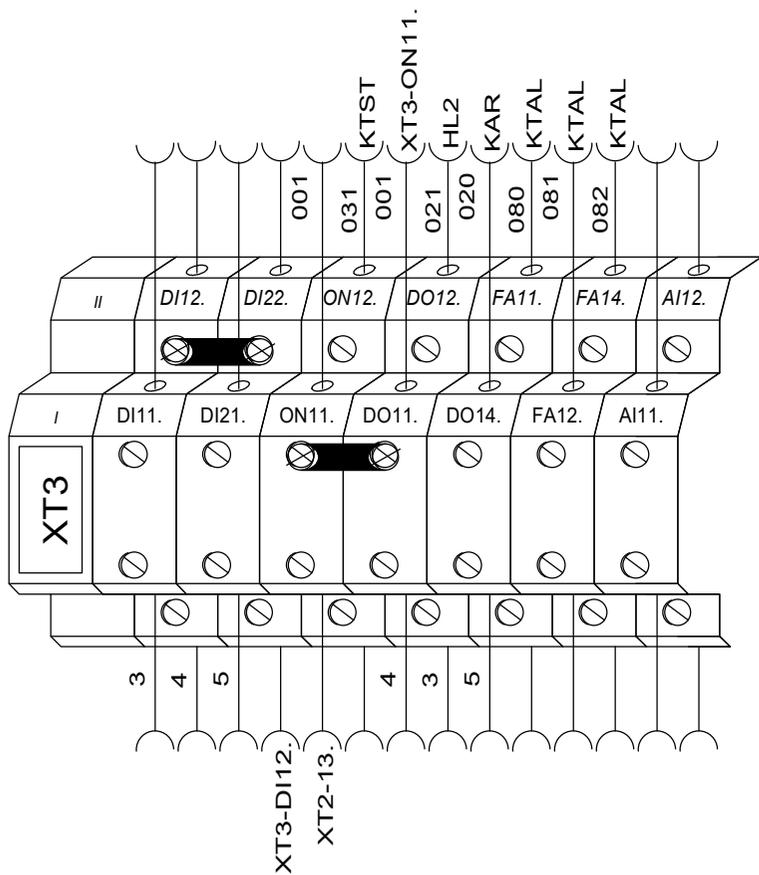


NAPC 1263.4

Project : CNEC . U . . 16 . . .06.M1.V400F3H50N	
Internal order : 04804632	
Customer : 0480	Customer order :
Title : Terminal board: XT1	
Draughtsman : E.A.	
Date : 03/05/2017	

Sheet 10
Of 16

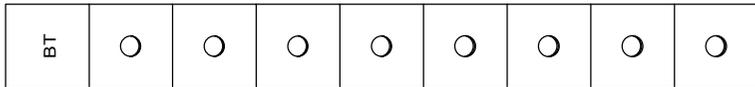
Rev.	Date	Signat.	Modification



Rev.	Date	Signat.	Modification

NAPC 1263.4

Project : CNEC . U . . 16 . . .06.M1.V400F3H50N	
Internal order : 04804632	
Customer : 0480	Customer order :
Title : Terminal board: XT3	
Draughtsman : E.A.	Date : 03/05/2017



7 8

.....

Rev.	Date	Signat.	Modification

NAPC 1263.4

Project : CNEC . U . . 16 . . .06.M1.V400F3H50N	
Internal order : 04804632	
Customer : 0480	Customer order :
Title : Terminal board: BT	
Draughtsman : E.A.	Date : 03/05/2017

PARTS LIST

Identification	Description	Code	Manufacturer	Location	Amount	Function	Position
BV1	SPEED CONTROLLER	CXE/AVC Art.320053 IP54	ZIEHL-ABEGG	2BM	1		03.2
BV1	TEMPERATURE PROBE	IKE_38XE25006X05X	ITALCOPPIE	2BM	1		03.2
C1	CABLE RUN 25X80	04180080	CON	0QE	1		09.1
C2	CABLE RUN 25X80	04180080	CON	0QE	1		09.1
C3	CABLE RUN 25X80	04180080	CON	0QE	1		09.1
FU1	E91HN/32	M200913	ABB	0QE	1		03.3
FU1	FUSE 10X38 2 A GG	10X38-GG2A	FUSIBILE	0QE	2		03.3
HL1	GREEN SIGNAL LAMP	800FM-P3	ALLEN BRADLEY	0QE	1		07.2
HL1	THREE ELEMENTS SUPPORT	800F-ALP	ALLEN BRADLEY	0QE	1		07.2
HL1	24VAC/DC GREEN LED	800F-Q3G	ALLEN BRADLEY	0QE	1		07.2
HL2	24VAC/DC RED LED	800F-Q3R	ALLEN BRADLEY	0QE	1		07.5
HL2	RED SIGNAL LAMP	800FM-P4	ALLEN BRADLEY	0QE	1		07.5
HL2	THREE ELEMENTS SUPPORT	800F-ALP	ALLEN BRADLEY	0QE	1		07.5
KAB	2 CONTACTS RELAY-HOLDER	95553SMA	FINDER	0QE	1		07.6
KAB	2 CONTACTS RELAY 24Vac	405280240000	FINDER	0QE	1		07.6
KAR	2 CONTACTS RELAY-HOLDER	95553SMA	FINDER	0QE	1		07.7
KAR	2 CONTACTS RELAY 24Vac	405280240000	FINDER	0QE	1		07.7
KP1	AF16-30-10-11 CONT 3P 16A 24-60VAC /DC	AF16301011	ABB	0QE	1		07.11
KTAL	MULTIFUNCTION TIMER	700-FEM3TU23	ALLEN BRADLEY	0QE	1		08.3
KTST	MULTIFUNCTION TIMER	700-FEM3TU23	ALLEN BRADLEY	0QE	1		07.9
Q1	S203 C16 CIRCUIT BREAKER 6KA 3P	S468008	ABB	0QE	1		03.5
QS1	MAIN SWITCH 80A 3P	EE2588	ABB	0QE	1		02.2
QS1	FOURTH POLE SWITCH 40	EE3321	ABB	0QE	1		02.2
QS1	YELLOW/RED PADLOCKABLE HANDLE	EE3131	ABB	0QE	1		02.2
QS1	STEEL STIRRUPS	GW46451	GEWISS	0QE	1		02.2
QS1	SHAFT 5X250MM	EE3255	ABB	0QE	1		02.2
TC1	TM 75VA f0-f230-f400/0-f24V	075FCB	BOTTER	0QE	1		02.11
TC1	FUSE 5X20 315mA T	5X20-T315MA	FUSIBILE	0QE	1		02.11
TC1	FUSE 5X20 3,15A T	5X20-T3,15A	FUSIBILE	0QE	1		02.11
TC1	FUSE 5X20 500mA T	5X20-T500MA	FUSIBILE	0QE	1		02.11

Rev.	Date	Signat.	Modification

NAPC 1263.4

Project : CNEC . U . . 16 . . 06.M1.V400F3H50N		Sheet 14
Internal order : 04804632		Of 16
Customer : 0480	Customer order :	
Title : Part list		
Draughtsman : E.A.		Date : 03/05/2017

TERMINAL BOARD LIST

Identification	Description	Code	Manufacturer	Location	Amount	Position
BT-1	Ground bar	ERI550190	ERICO	0QE	1	02.9
BT-2	Ground bar	ERI550190	ERICO	0QE	1	02.9
BT-3	Ground bar	ERI550190	ERICO	0QE	1	03.1
BT-4	Ground bar	ERI550190	ERICO	0QE	1	04.10
BT-5	Ground bar	ERI550190	ERICO	0QE	1	05.10
BT-5	Ground bar	ERI550190	ERICO	0QE	1	06.10
BV1	SPEED CONTROLLER	CXE/AVC Art.320053 IP54	ZIEHL-ABEGG	2BM	1	03.2
BV1	TEMPERATURE PROBE	IKE_38XE25006X05X	ITALCOPPIE	2BM	1	03.2
C1	CABLE RUN 25X80	04180080	CON	0QE	1	09.1
C2	CABLE RUN 25X80	04180080	CON	0QE	1	09.1
C3	CABLE RUN 25X80	04180080	CON	0QE	1	09.1
FU1	E91HN/32	M200913	ABB	0QE	1	03.3
FU1	FUSE 10X38 2 A GG	10X38-GG2A	FUSIBILE	0QE	2	03.3
HL1	GREEN SIGNAL LAMP	800FM-P3	ALLEN BRADLEY	0QE	1	07.2
HL1	THREE ELEMENTS SUPPORT	800F-ALP	ALLEN BRADLEY	0QE	1	07.2
HL1	24VAC/DC GREEN LED	800F-Q3G	ALLEN BRADLEY	0QE	1	07.2
HL2	24VAC/DC RED LED	800F-Q3R	ALLEN BRADLEY	0QE	1	07.5
HL2	RED SIGNAL LAMP	800FM-P4	ALLEN BRADLEY	0QE	1	07.5
HL2	THREE ELEMENTS SUPPORT	800F-ALP	ALLEN BRADLEY	0QE	1	07.5
KAB	2 CONTACTS RELAY-HOLDER	95553SMA	FINDER	0QE	1	07.6
KAB	2 CONTACTS RELAY 24Vac	405280240000	FINDER	0QE	1	07.6
KAR	2 CONTACTS RELAY-HOLDER	95553SMA	FINDER	0QE	1	07.7
KAR	2 CONTACTS RELAY 24Vac	405280240000	FINDER	0QE	1	07.7
KP1	AF16-30-10-11 CONT 3P 16A 24-60VAC /DC	AF16301011	ABB	0QE	1	07.11
KTAL	MULTIFUNCTION TIMER	700-FEM3TU23	ALLEN BRADLEY	0QE	1	08.3
KTST	MULTIFUNCTION TIMER	700-FEM3TU23	ALLEN BRADLEY	0QE	1	07.9
Q1	S203 C16 CIRCUIT BREAKER 6KA 3P	S468008	ABB	0QE	1	03.5
QS1	MAIN SWITCH 80A 3P	EE2588	ABB	0QE	1	02.2
QS1	FOURTH POLE SWITCH 40	EE3321	ABB	0QE	1	02.2
QS1	YELLOW/RED PADLOCKABLE HANDLE	EE3131	ABB	0QE	1	02.2
QS1	STEEL STIRRUPS	GW46451	GEWISS	0QE	1	02.2
QS1	SHAFT 5X250MM	EE3255	ABB	0QE	1	02.2
TC1	TM 75VA f0-f230-f400/0-f24V	075FCB	BOTTER	0QE	1	02.11
TC1	FUSE 5X20 315mA T	5X20-T315MA	FUSIBILE	0QE	1	02.11
TC1	FUSE 5X20 3,15A T	5X20-T3,15A	FUSIBILE	0QE	1	02.11
TC1	FUSE 5X20 500mA T	5X20-T500MA	FUSIBILE	0QE	1	02.11
XT1-U1	CLAMP TERMINAL TWIN	3031241	PHOENIX	0QE	1	04.6
XT1-U1	CLAMP TERMINAL TWIN	3031241	PHOENIX	0QE	1	05.6
XT1-U1	CLAMP TERMINAL TWIN	3031241	PHOENIX	0QE	1	06.6
XT1-V1	CLAMP TERMINAL TWIN	3031241	PHOENIX	0QE	1	04.6

Rev.	Date	Signat.	Modification

NAPC 1263.4

Project : CNEC . U . . 16 . . 06.M1.V400F3H50N		Sheet 15
Internal order : 04804632		Of 16
Customer : 0480	Customer order :	14 ◀▶ 16
Title : Terminals list		
Draughtsman : E.A.		Date : 03/05/2017

COMPONENTS DESCRIPTION

NAPC 1263.4

COMPONENT		
Fan	n.	2
Model	ZIEHL-ABEGG	

3504224-01 AssVGS Z-PC63

	NOMINAL DATA 1 Fan	WORKING POINT DATA 2 Fans	
Frequency	50/60 [Hz]		
Vn	400 [Vac]	Reg. %	100
In	3 [A]	Ib	5.5 [A]
Pn	1.85 [kW]	Pb	3.41 [kW]
Cos(φ)	0.89	Cos(φ)	0.82
Fan speed	1270 [rpm]	UpM	1270 [rpm]
Tcr	-35§75 [°C]		
Protection class	IP55		

