TECHNICAL SPECIFICATIONS

Type	ASR1.0P
Rated power	909 kVA
Rated voltage	6,06 kV (10,5/√3 kV)
The highest voltage of net Um	12 kV
Operational frequency	50 Hz
Operation range of current	15–150 A
Measuring current transformer	150/1A, 15VA, 1FS5
Type of operation	CONTINUOUS
Auxiliary power winding	500V±10%, 80A, 60s
Measuring winding	100V±10%, 1A
Insulation level	LI75 AC28–AC3/AC3
Type of cooling	ONAN
Ambient air temperature	−35°C to +35°C
Material of main winding	Cu
Transformer oil	Nynas Nytro Taurus
Total weight (resistor included)	3210 kg
Weight of oil	830 kg
Number of wiring diagram	3–232170

TECHNICAL SPECIFICATIONS – AIR COOLED RESISTOR

Type	SR80/60
Rated voltage	500V
Rated current	80A
Type of operation	60 sec
Impedance	6,25±10% Ohm
Operational frequency	50Hz
Contactor coil voltage	230V/AC
Type of cooling	AN

SYSTEM OF ANTICORROSION PROTECTION

Type	EGE 3.D.1
Metallizing	min. 100µm
Zinc Flake – tank	min. 80µm
Coating layer	min. 120µm
Coating layer shade	RAL 7033
Outside screw coupling	A2

AIR COOLED RESISTOR:

Unpainted Stainless steel grade 1.4016 (AISI 430)

NR.	MODIFICATION	DATE	NAME
.			DATE 21.6.2024
.			DRAWN Šítal
.			VERIFIED Procházka

A. Žilinskio ir ko UAB "Tendr ESO"

ORIGINAL | REPLACEMENT

TECHNICAL DATA

ASR1.0P

E230494

Weight ±2%
Dimension ±2%

SHEET 1
4

EQUIPMENT

Mark.	Name of part		Amount
1	Tank		1
3	Motor drive unit MD3N (3x400/230V 50Hz, IP55) EGE		1
4	Position indicator EGE		1
6a	Bushing D1 – 12–250/P2 (M12)	EN 50180	1
6b	Bushing D2 – 12–250/P2 (M12)	EN 50180	1
6c	Bushings M2,N2 – DT250 (M12)	DIN 42530	2
6d	Bushing M1,N1,k,l – GD0.6/30–4 KUVAG		1
8	Oil draining valve OR31	DIN 42551	1
9	Piping for oil sampling DN15	DIN 42568	1
13	Microswitch remote thermometer – 608520 JUMO		1
15	Oil level indicator l 200mm MAIER	DIN 42552	1
16	Magnet– min. oil level indication L1–220 ARV1,5" KSR KUEBLER		1
17	Dehydrating breather – type B MAIER	DIN 42567	1
18	Lifting lug of complete unit		2
21	Earthing terminal – B–M12	DIN 48088	4
22	Rating and connection diagram plate	IEC 60076–6	1
24	Thermometer case G1"	DIN 42554	1
31	Air cooled resistor EGE		1

Mark.	Name of part	Amount

Other equipment

– potentiometer 1x1000 Ohm

NR.	MODIFICATION	DATE	NAME

DATE 21.6.2024
DRAWN Šital
VERIFIED Procházka

A. Žilinskio ir ko UAB
"Tendr ESO"

ORIGINAL | REPLACEMENT

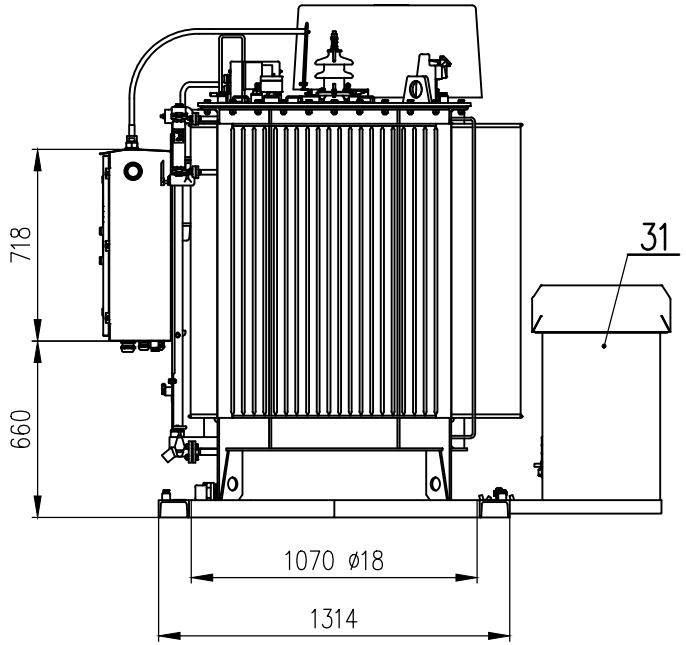
EQUIPMENT

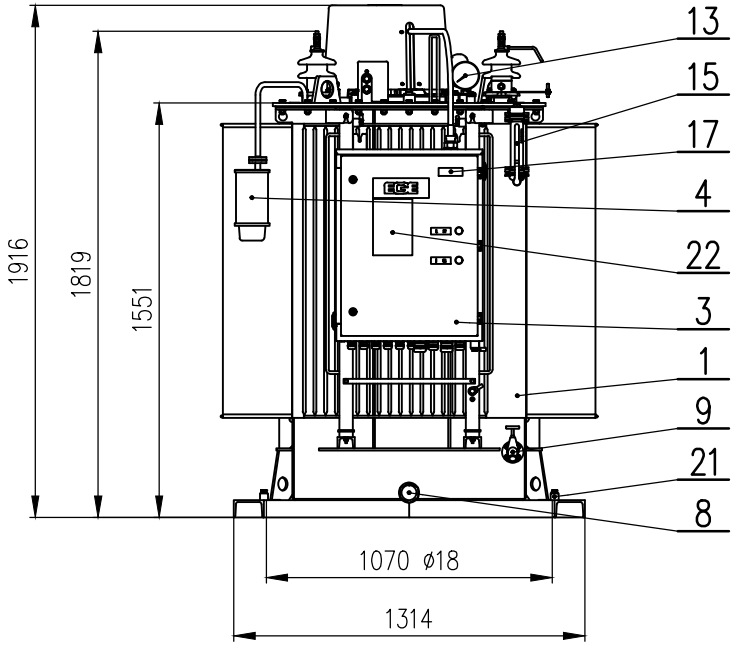
ASR1.0P

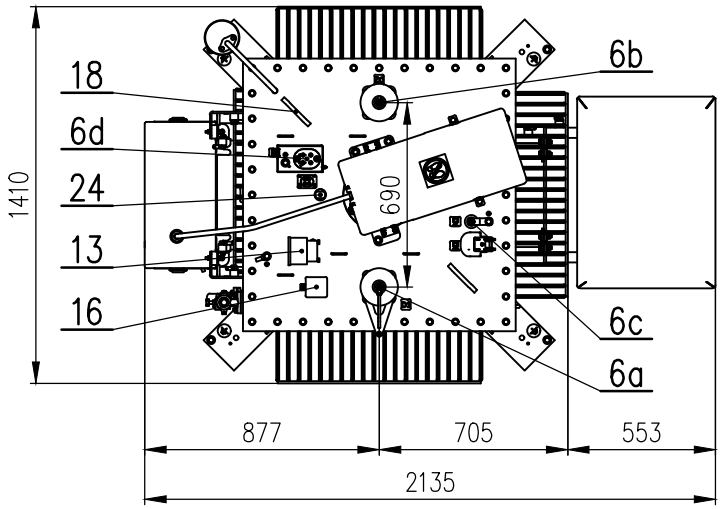
E230494

Weight ±2%
Dimension ±2%

SHEET 2
4







.				DATE	21.6.2024	A. Žilinskio ir ko UAB "Tendr ESO"	EGE	DIMENSIONAL DRAWING	ASR1.0P	Weight ±2%
.				DRAWN	Šítal					Dimension ±2%
.				VERIFIED	Procházka				E230494	SHEET 3
NR.	MODIFICATION	DATE	NAME			ORIGINAL	REPLACEMENT			4

1001743
1001744
1001745
1001746
1001747
1001748

EGE, spol. s r.o.
Novohradská 34
České Budějovice
CZECH REPUBLIC

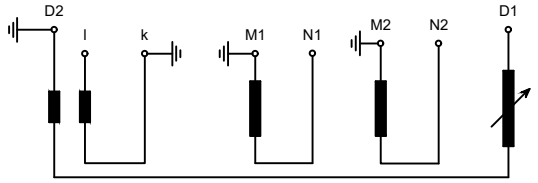
LANKO GESINIMO RITĖ

TIPAS	ASR1.0P	GAMYKLINIS NUMERIS		*		IEC 60076-6	
PASTATYMAS	LAUKE	VISO SVORIS	t	3,21			
VARDINĖ ĮTAMPA	kV 6,06	ALYVA SVORIS	t	0,83	PAGAMINIMO METAI	2025	
VARDINIS DAŽNIS	Hz 50	AKTYVINĖ DALIS SVORIS	t	1,53	AUŠINIMO BŪDAS	ONAN	
VARDINĖ GALIA	kVAr 909	VARDINĖ SROVĖ	A	15 - 150	DARBO LAIKAS	ILGALAIKĖ	
VARDINĖ GALIA	kVAr -	VARDINĖ SROVĖ	A	-	DARBO LAIKAS	2 h	
VARŽA $_{ILGA.}$	Ω 404 - 40,4	VARŽA $_{2\,h}$	Ω	-			
IZOLIACIJOS LYGIS	LI75 AC28 - AC3/AC3						
VARIKLIO PAVARA	kW 0,37	230/400 V AC					

ANTRINĖS APVIJOS

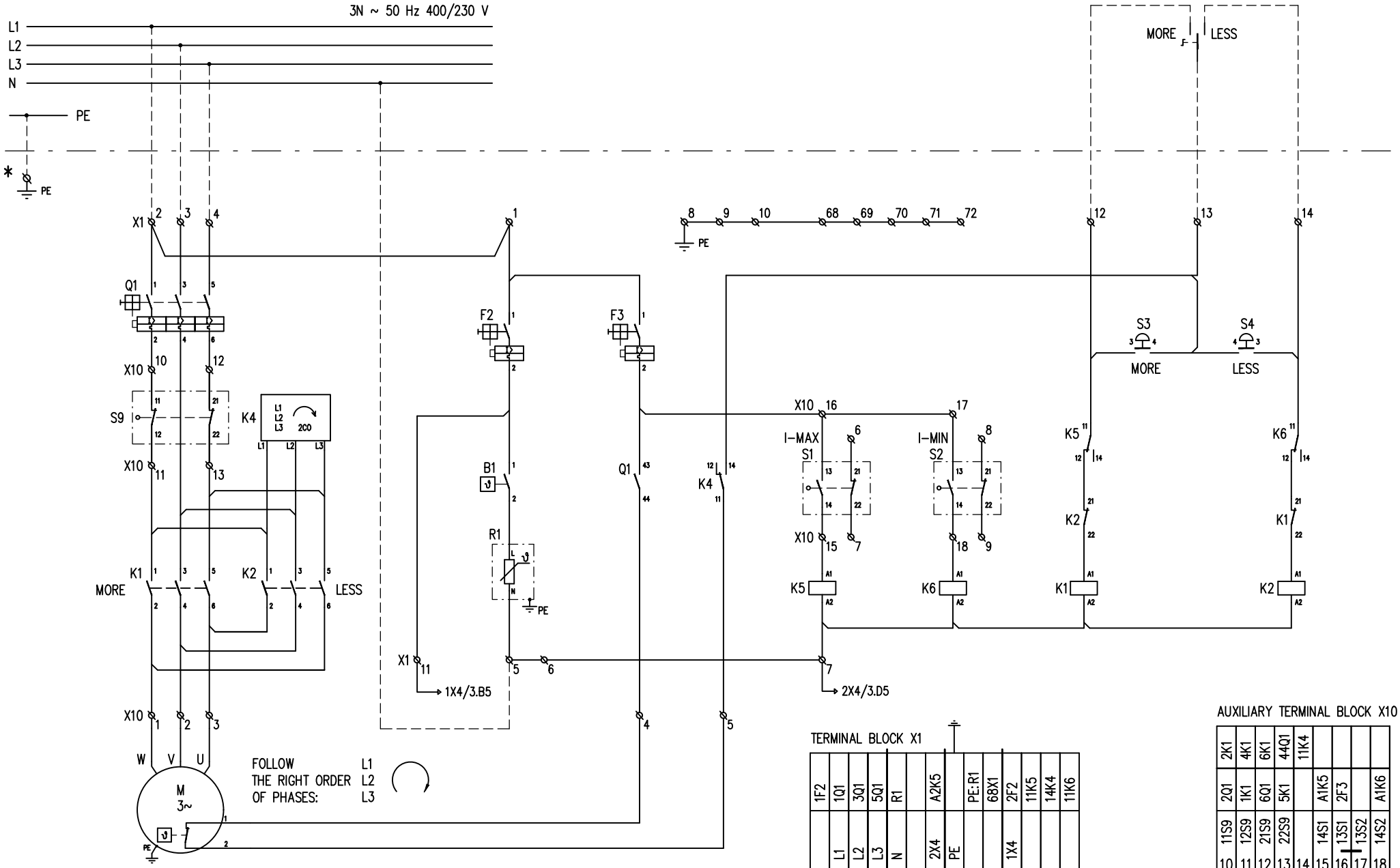
GNYBTAI	ĮTAMPA	SROVĖ	GALIA	DARBO LAIKAS
M2 - N2	V 500 ±10%	A 80	kVA 40	60 s
M1 - N1	V 100 ±10%	A 1	VA 100	ILGALAIKĖ
k - l		A 150/1	VA 15	TIKSLUMO KLASĖ 1FS5

PRIJUNGIMO SCHEMA



D1 - D2 PIRMINĖ APVIJA
M2 - N2 ANTRINĖ APVIJA
M1 - N1 PAGALBINĖ APVIJA
k - l SROVĖS TRANSFORMATORIUS

.				DATE	21.6.2024	A. Žilinskio ir ko UAB "Tendr ESO"		ASR1.0P	Weight ±2%
.				DRAWN	Šítal		RATING PLATE		Dimension ±2%
.				VERIFIED	Procházka			E230494	SHEET 4
NR.	MODIFICATION	DATE	NAME			ORIGINAL	REPLACEMENT		4

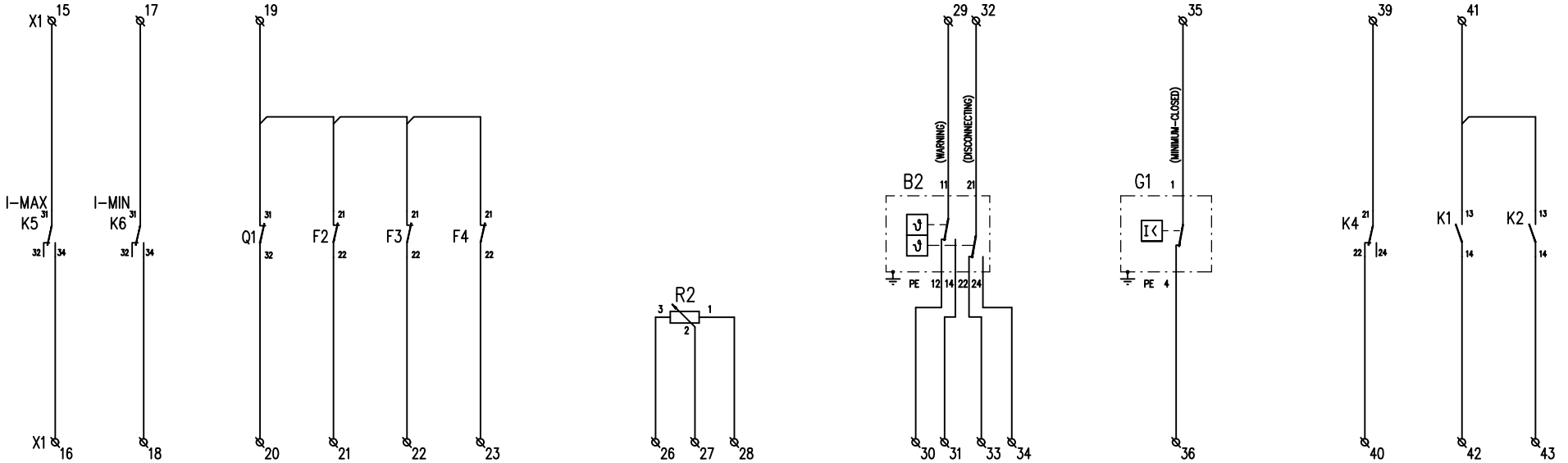


* CONNECTION POINT OF THE PROTECTIVE INTERCONNECTION SYSTEM ON THE PETERSEN COIL

| | | |

LEGEND:

B1	THERMOSTAT	G1	MAGNET- MIN. OIL LEVEL INDICATION	R1,E1	HEATER 100W	T1	CURRENT TRANSFORMER
B2	THERMOMETER	K1,K2	MOTOR CONTACTOR	R2	POTENTIOMETER 1x1000 Ohm	T2	MEASURING WINDING 100V
Q1	CIRCUIT BREAKER 1-1,6A (MOTOR)	K4	RELAY PHASE SEQUENCE	S1,S2	LIMIT SWITCH I-MAX/I-MIN	T4	POWER AUXILIARY WINDING 500V
F2	CIRCUIT BREAKER 4A (HEATER)	K5,K6	AUXILIARY RELAY	S3,S4	BUTTONS MORE/LESS	X1	MAIN TERMINAL BLOCK (UK5N)
F3	CIRCUIT BREAKER 4A (CONTROL)	KM1	CONTACTOR	S8	SWITCH MORE/LESS - CONTROL ROOM	X4	RESISTOR TERMINAL BLOCK
F4	CIRCUIT BREAKER 4A (MEASURING WINDING)	M	MOTOR	S9	EMERGENCY LIMIT SWITCH	X10	AUXILIARY TERMINAL BLOCK

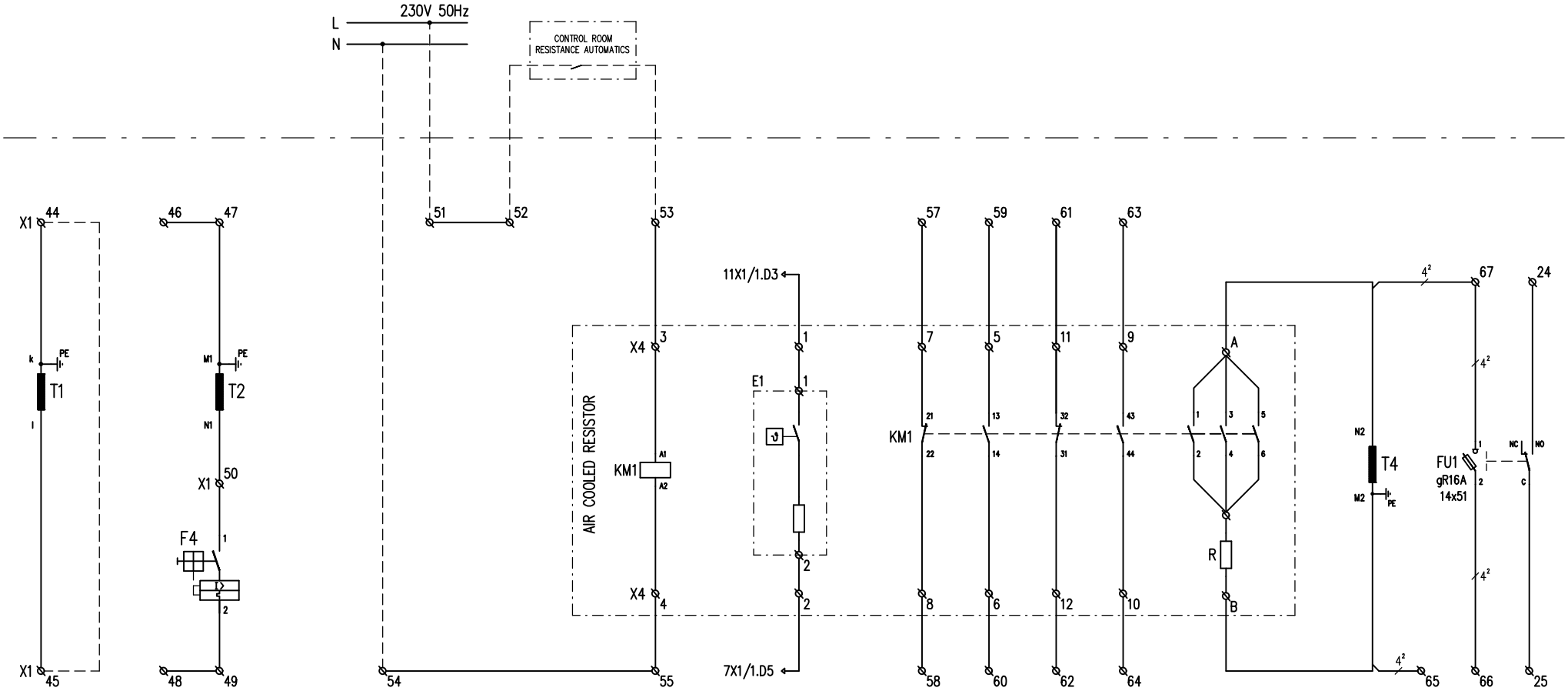


TERMINAL BLOCK X1

31K5	34K5	31K6	34K6	31Q1	32Q1	22F2	22F3	22F4	NO:FU1	C:FU1	3R2	2R2	1R2	11B2	12B2	14B2	21B2	22B2	24B2	1G1	2G1			21K4	22K4	13K1	14K1	14K2
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43

TERMINAL BLOCK CONTINUES ON SHEET 3

| | | | | | | |



TERMINAL BLOCK X1

| | | |