



Customer name: -
Customer number: -
Country: The Netherlands
Language: English

Project Name: -
Project Number: -
Product: CONTROL BOX OVERB. 1000 5,5KW
Item number: ESBB055000

Designer: MV
Design date: 16-08-2018
Revision number: H
Status: Released

Supply Voltage: 380-400VAC
Nominal Power: ...kW
Max. supply Current: 25A
Control Voltage: 24VAC

Total pages: 019

Prev. sheet:

Next Sheet: 002

Designer: MV
Design date: 16-08-2018
Rev. nr.: H
Status: Released

Project name : -
Project number : -
Customer: -
Customer number: -



Product: CONTROL BOX OVERB. 1000 5,5KW
Item number: ESBB055000
Doc. number: ESBB055000_Page-001.dwg

Drawing descr.: Front page

Sheet: 001
Inst.:
Loc.:

General specifications

PAGE NUMBERING	
1	Front page
2	Project specifications
10	Drawing list
100	Main circuit
150	Power supplies
200	Control circuit
300	-
400	PLC overview
500	PLC I/O
600	-
700	-
800	Spare connections
900	Bill of material
910	Components list
950	Terminal plan

TERMINAL NUMBERING	
X0	Main supply
X1	Main power
X2	Control voltage 230VAC
X3	Control voltage 24Vac
X4	Control voltage 24Vdc
X5	Analog signals
X6	External supply
X7	EEx i
X8	?
X9	?

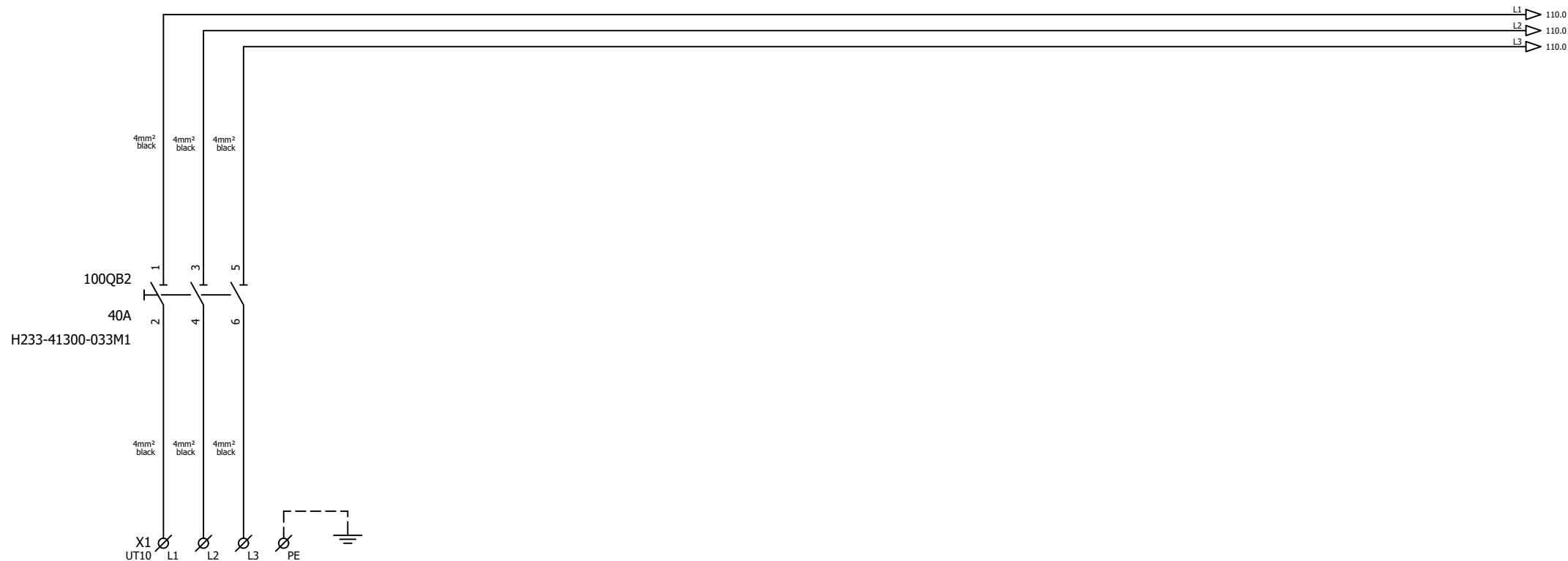
100M1
 └── REFERENCE NUMBER
 └── PART CODE
 └── PAGE NUMBER

COLOR CODE INTERNAL WIRING		
Main current 400/230V	Phase	Black
	Neutral	Lightblue
	Earth	Yellow/Green
Control voltage 230Vac	Phase	Red
	Switch wire	Red
	Neutral	Red
Control voltage 24Vac	Phase (L)	Grey
	Switch wire	Grey
	Neutral (N)	Grey
Control voltage 24Vdc	Phase (+)	Darkblue
	Switch wire	Darkblue
	Neutral (-)	Darkblue
Control voltage 12Vdc	Phase (+)	White
	Switch wire	White
	Neutral (-)	White
Measurement		Purple
External supply (Potential free contacts)		Orange
EEx i		Blue

Drawing list

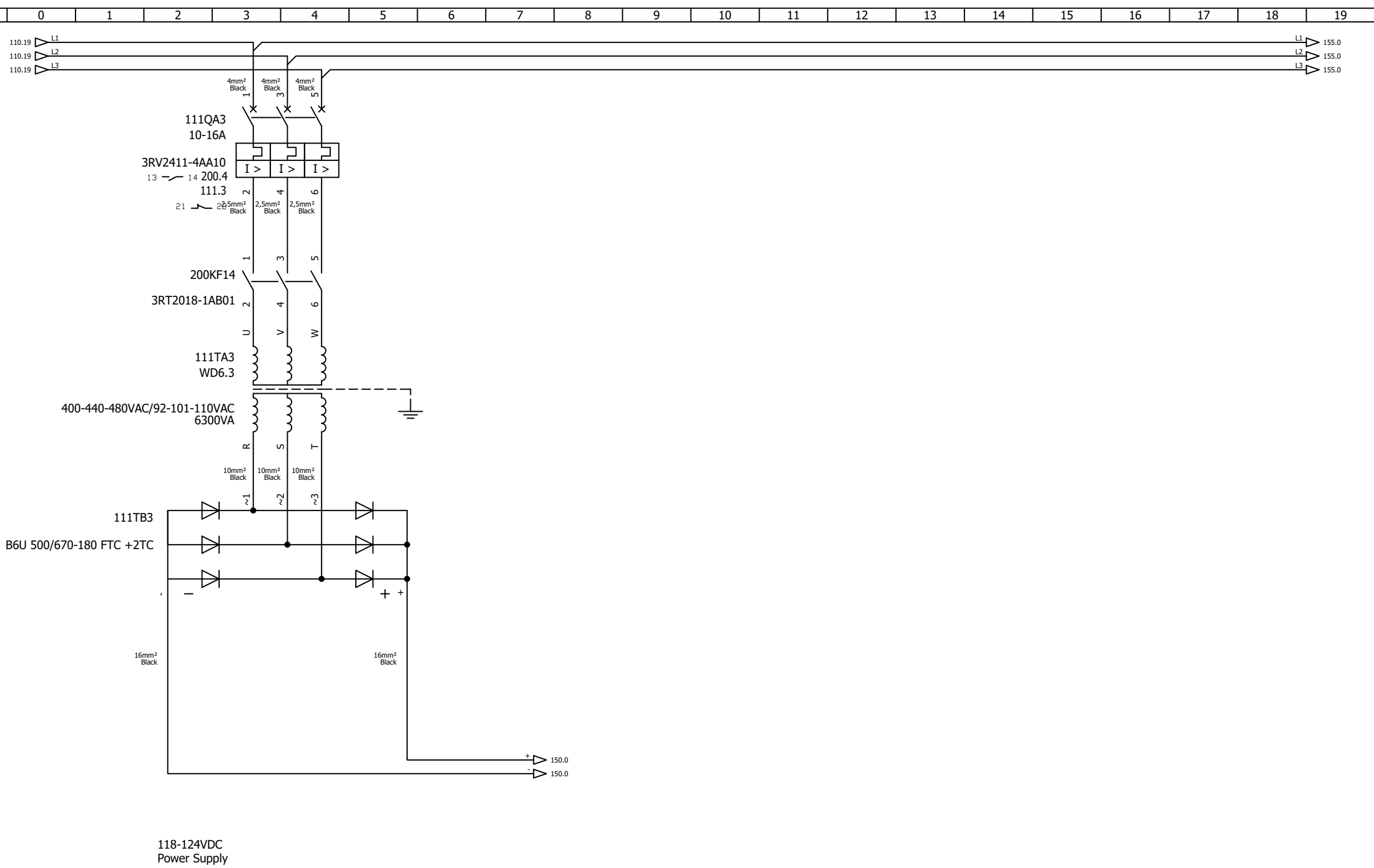
Installation	Location	Page	Description 1	Description 2	Description 3
		001	Front page		
		002	Project specification		
		010	Drawing list		
		100	Main Switch		
		110	Power supplies		
		111	Power supplies		
		150	Main circuit		
		155	Main circuit		
		200	Control circuit		
		220	Control circuit Temp		
		230	External signals		
		800	Spare connections		
		900	Bill of material		
		901	Bill of material		
		910	Components list		
		911	Components list		
		912	Components list		
		950	Terminal plan		
		990	Text plate		

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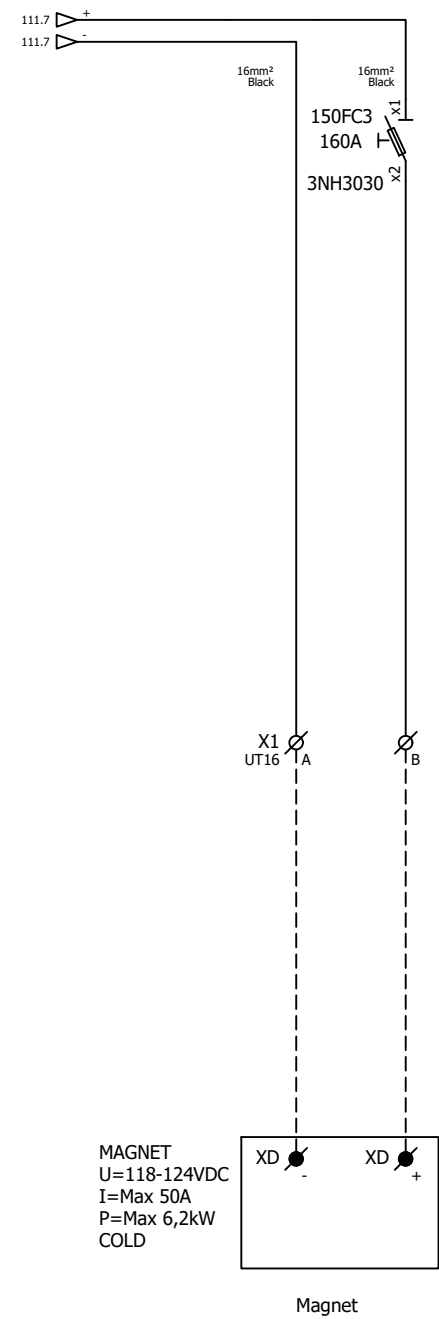


MAIN POWER SUPPLY
3X380-400VAC +PE / 50_60Hz
Fuse max. 25A

Prev. sheet: 010			Next Sheet: 110		
Designer: MV Design date: 16-08-2018 Rev. nr.: H Status: Released	Project name : - Project number : - Customer: - Customer number: -		Product: CONTROL BOX OVERB. 1000 5,5KW Item number: ESBB055000 Doc. number: ESBB055000_Page-100.dwg	Drawing descr.: Main Switch	Sheet: 100 Inst.: Loc.:

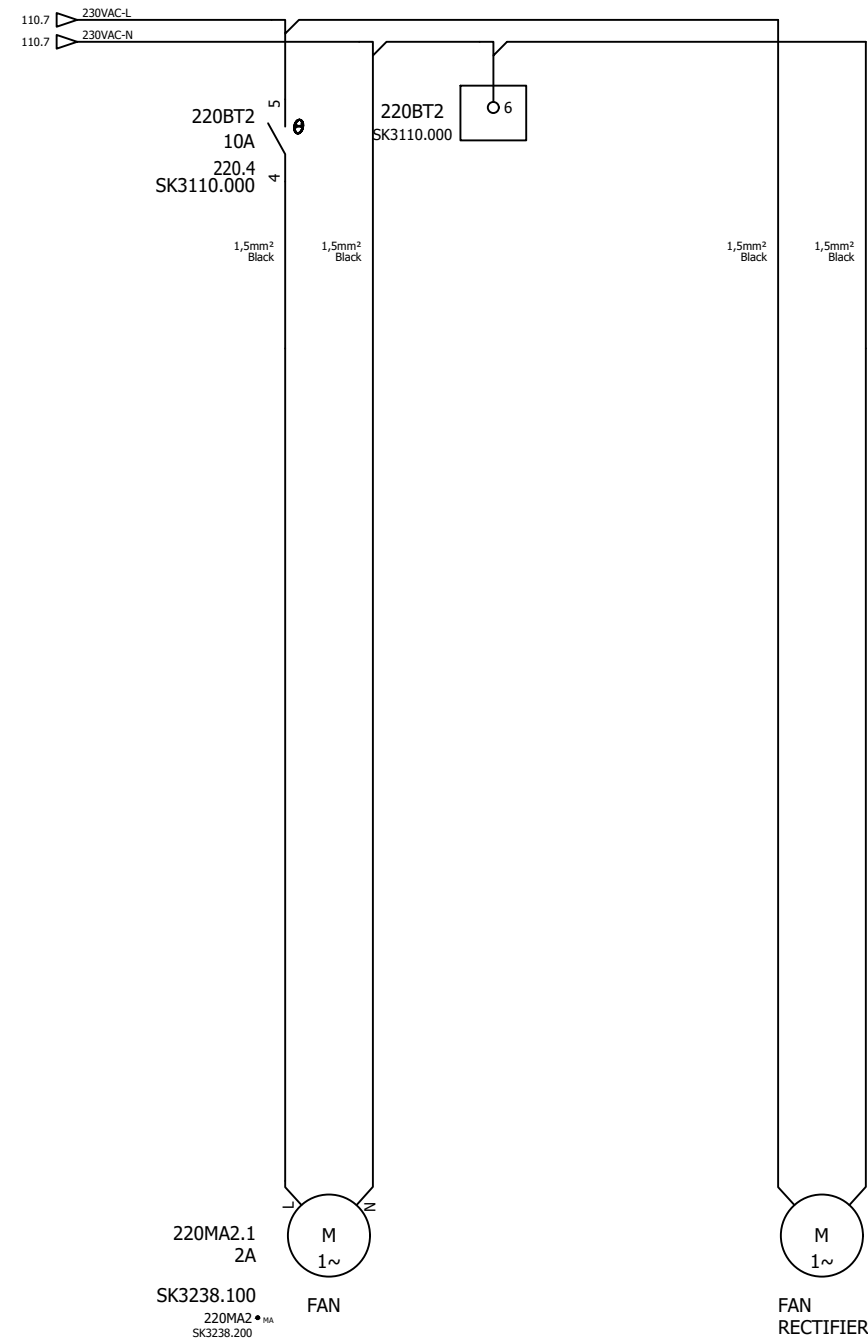


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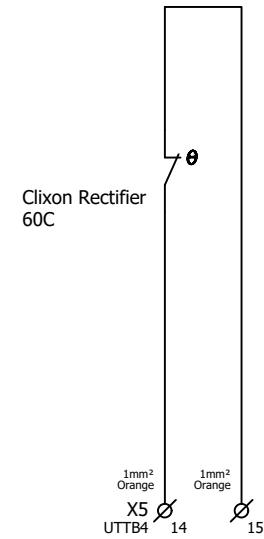
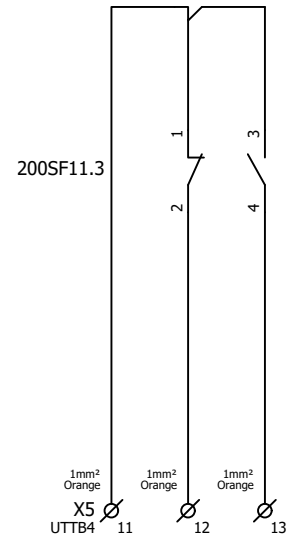
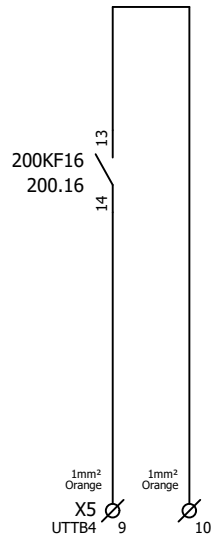
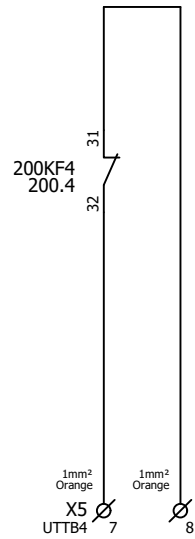
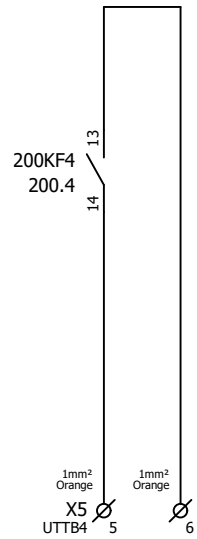
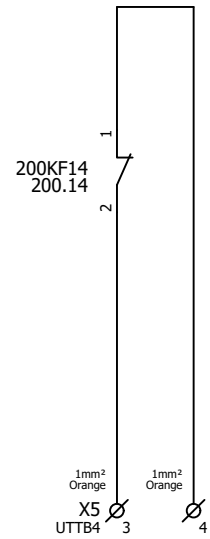
Prev. sheet: 111			Next Sheet: 155								
Designer: MV Design date: 16-08-2018 Rev. nr.: H Status: Released		Project name : - Project number : - Customer: - Customer number: -				Product: CONTROL BOX OVERB. 1000 5,5KW Item number: ESB055000 Doc. number: ESB055000_Page-150.dwg		Drawing descr.: Main circuit		Sheet: 150 Inst.: Loc.:	

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Prev. sheet: 200									Next Sheet: 230		
Designer: MV	Project name : -		Product: CONTROL BOX OVERB. 1000 5,5KW			Drawing descr.: Control circuit Temp			Sheet: 220		
Design date: 16-08-2018	Project number : -		Item number: ESB055000			Inst.:					
Rev. nr.: H	Customer: -		Doc. number: ESB055000_Page-220.dwg			Loc.:					
Status: Released	Customer number: -										

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MAGNET
OFF

STANDBY

FAILURE
POWER OFF

RUN

LOCAL REMOTE

CLIXON
RECTIFIER

Prev. sheet: 220

Next Sheet: 800

Designer: MV Design date: 16-08-2018 Rev. nr.: H Status: Released	Project name : - Project number : - Customer: - Customer number: -	GOUDSMIT MAGNETICS	Product: CONTROL BOX OVERB. 1000 5,5KW Item number: ESB055000 Doc. number: ESB055000_Page-230.dwg	Drawing descr.: External signals	Sheet: 230 Inst.: Loc.:
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Prev. sheet: 230			Next Sheet: 900																		
Designer: MV Design date: 16-08-2018 Rev. nr.: H Status: Released	Project name : - Project number : - Customer: - Customer number: -				Product: CONTROL BOX OVERB. 1000 5,5KW Item number: ESBB055000 Doc. number: ESBB055000_Page-800.dwg							Drawing descr.: Spare connections					Sheet: 800 Inst.: Loc.:				

Bill of Material

#	Item number	Manufacturer	Product Code	Custom code	Description
1	EIJJ26K301	JASPERS		WD6.3	THREE PHASE IP00 , 6300VA, 3X400-440-480VAC PRIM. , 3x 92-101-110 VAC SEC.
1	EIJJ550000	JASPERS	11161001	VE05	SINGLE PHASE IP00 , 50VA
1	EIOM050005	PHOENIX	3047028	D-UT 16	END COVER FOR UT 16 TERMINALS
3	EIOM020004	PHOENIX	3047293	D-UTTB2-5-4	END COVER FOR UTTB 2,5-4 TERMINALS
2	EIOM040000	PHOENIX	3047028	D-UT 2-5-10	END COVER FOR UT 2,5-10 TERMINALS
8	EIOM100002	PHOENIX	3022218	CLIPFIX 35	END CLAMB FOR 35MM DIN RAIL, CLIPFIX 35
2	EIOJ050005	PHOENIX	3044199	UT16	1 LEVEL - SCREW 1,5 - 25mm²
13	EIOJ020004	PHOENIX	3044814	UTTB4	2 LEVELS - SCREW 0.14 - 6mm²
2	EIOJ340001	PHOENIX	3044173	UT10-PE	1 LEVEL - SCREW, GROUND, 0.5 - 16mm²
6	EIOJ040002	PHOENIX	3044160	UT10	1 LEVEL - SCREW 0.5 - 16mm²
1	EI2G000016	RITTAL	SK3238.200	SK3238.200	OUTLET FILTER STANDARD 148.5 X 148.5 MM
1	E0029974	RITTAL	SK3110.000	SK3110.000	INTERNAL
1	EI2G000015	RITTAL	SK3238.100	SK3238.100	TOPTHERM FAN-AND-FILTER UNIT, 55/66 M³/H,148.5 X 148.5MM
1	EICB463500	SALZER	H233-41300-033M1	H233-41300-033M1	MAINSWITCH - FRONT MOUNTING IP66/IP55
1	EIKCDB3804	SEMIKRON	B6U 500/670-180 FTC +2TC	B6U 500/670-180 FTC +2TC	3-PHASE UNCONTROLLED RECTIFIER,500VAC PRIMARY, 670VDC SECONDARY, 185A MAX
1	E0079018	SIEMENS	3RT2016-1AB01	3RT2016-1AB01	AC-3, 4KW/400V, 1NO, 24V DC, 50/60 HZ, 3-POLE, SZ S00, SCREW TERMINAL
1	E0079013	SIEMENS	3RH2911-1HA11	3RH2911-1HA11	AUX.SWITCH BLOCK,FRONT,1NO+1NC, SREW TERMINAL
1	EICG034300	SIEMENS	7056643	3SU1400-1AA10-1FA0	CONTACT BLOCK WITH 2 CONTACT ELEMENTS SCREW TERMINAL, 1NO + 1NC
1	EICF000003	SIEMENS	7055310	3SU1002-2BF10-0AA0	SELECTOR SWITCH, 22MM, ROUND, PLASTIC, BLACK, 2 SWITCH POSITIONS, O-I, LATCHING, ACTUATING ANGLE 90
1	EICH000022	SIEMENS	7056854	3SU1500-0AA10-0AA0	22MM PUSHBUTTON HOLDER FOR 3 MODULES
1	EICG034300	SIEMENS	7056643	3SU1400-1AA10-1FA0	CONTACT BLOCK WITH 2 CONTACT ELEMENTS SCREW TERMINAL, 1NO + 1NC
1	EIFD403002	SIEMENS	7056705	3SU1401-1BB40-1AA0	ACTUATOR-/INDICATOR COMPONENT WITH INTEGRATED LED 24V AC/DC LAMP HOLDER SCREW TERMINAL GREEN
1	EICG032200	SIEMENS	7056639	3SU1400-1AA10-1BA0	CONTACT BLOCK WITH 1 CONTACT ELEMENT, SCREW TERMINAL, 1NO
1	EICH000016	SIEMENS	7055234	3SU1001-0AB40-0AA0	22MM PLASTIC ROUND ACTUATOR: ILLUMINATED PUSHBUTTON WITH FLAT BUTTON,GREEN
1	EICH000022	SIEMENS	7056854	3SU1500-0AA10-0AA0	22MM PUSHBUTTON HOLDER FOR 3 MODULES
1	EIFD403004	SIEMENS	7056710	3SU1401-1BB60-1AA0	ACTUATOR-/INDICATOR COMPONENT WITH INTEGRATED LED 24V AC/DC LAMP HOLDER SCREW TERMINAL WHITE
1	EIFC050008	SIEMENS	7055299	3SU1001-6AA60-0AA0	22MM PLASTIC ROUND INDICATOR: SMOOTH LENS, WHITE
1	EICH000022	SIEMENS	7056854	3SU1500-0AA10-0AA0	22MM PUSHBUTTON HOLDER FOR 3 MODULES
1	EICG032100	SIEMENS	7056640	3SU1400-1AA10-1CA0	CONTACT BLOCK WITH 1 CONTACT ELEMENT, SCREW TERMINAL, 1NC
1	EICH000017	SIEMENS	7055066	3SU1000-1GB20-0AA0	EMERGEN.-STOP MUSHR.PUSHB. 32MM LATCH.W. ROT.-TO-UNLATCH MECH. RED
1	EICH000021	SIEMENS	7057431	3SU1900-0BC31-0NB0	ROUND, 22MM: BACKING PLATE FOR EMERGEN.-STOP 75/23MM WITH INSCRIPTION: NOT-HALT 4 LANGUAGES:DE,EN,IT
1	EICH000022	SIEMENS	7056854	3SU1500-0AA10-0AA0	22MM PUSHBUTTON HOLDER FOR 3 MODULES
1	EIFD403001	SIEMENS	7056701	3SU1401-1BB20-1AA0	ACTUATOR-/INDICATOR COMPONENT WITH INTEGRATED LED 24V AC/DC LAMP HOLDER SCREW TERMINAL RED

Bill of Material

#	Item number	Manufacturer	Product Code	Custom code	Description
1	EICG032100	SIEMENS	7056640	3SU1400-1AA10-1CA0	CONTACT BLOCK WITH 1 CONTACT ELEMENT, SCREW TERMINAL, 1NC
1	EICH000015	SIEMENS	7055232	3SU1001-0AB20-0AA0	22MM PLASTIC ROUND ACTUATOR: ILLUMINATED PUSHBUTTON WITH FLAT BUTTON,RED
1	EICH000022	SIEMENS	7056854	3SU1500-0AA10-0AA0	22MM PUSHBUTTON HOLDER FOR 3 MODULES
2	E0079009	SIEMENS	3RH2122-1AB00	3RH2122-1AB00	2NO+2NC, 24V AC, 50/60 HZ, SIZE S00, SCREW TERMINAL
1	EIDA052000	SIEMENS	8934572	3RT2018-1AB01	AC-3 16A, 7.5KW/400V, 1NO, 24V AC, 50/60 HZ, 3-POLE, SZ S00, SCREW TERMINAL
1	E0079013	SIEMENS	3RH2911-1HA11	3RH2911-1HA11	AUX.SWITCH BLOCK,FRONT,1NO+1NC, SREW TERMINAL
1	E0029956	SIEMENS	3RV2011-1GA10	3RV2011-1GA10	SZ S00, FOR MOTOR PROTECTION, CLASS 10, A-REL. 4.5...6.3A,
1	E0025012	SIEMENS	3RV2901-1E	3RV2901-1E	AUXILIARY SWITCH 1XNO 1XNC FOR MOTOR PROTECTION CIRCUIT-BREAKER
1	EIHE091001	SIEMENS	LV10.1	3NH3030	SINGLE-POLE,160A,SIZE 00 PAD-TYPE TERMINAL, 95 SQMM, LV HRC 690V(1000V)
1	EIHF070101	SIEMENS	3NE8018	3NE8018	SINGLE POLE, 63A,AC 660V (DIN 43620,SIZE 00)
1	EIHC043002	SIEMENS	8944621	3RV2411-4AA10	SZ S00, FORTRANSFORMER PROTECTION, A-REL.10...16A,
1	E0025012	SIEMENS	3RV2901-1E	3RV2901-1E	AUXILIARY SWITCH 1XNO 1XNC FOR MOTOR PROTECTION CIRCUIT-BREAKER
1	E0029959	SIEMENS	5SY6104-7	5SY6104-7	1-POLE, C, 230/400V 6KA, 4A
1	E0079022	SIEMENS	5SY6102-7	5SY6102-7	1-POLE, C, 230/400V 6KA, 2A
1	E0025015	SIEMENS	5SY6206-7	5SY6206-7	2-POLE, C, 400V 6KA,6A
1	E0078679	_UNKNOWN	X	SEE PAGE 990 FOR DETAILS	SEE E-DWG PAGE 990 FOR DETAILS

Components list

Component code	Item number	Manufacturer	Product Code	Custom code	Description
100QB2	EICB463500	SALZER	H233-41300-033M1	H233-41300-033M1	SWITCH H233-41300-033M1 SALZER
110QA1	E0079022	SIEMENS	5SY6102-7	5SY6102-7	CIRCUIT BR. 5SY6102-7 SIEMENS
110QA2	E0025015	SIEMENS	5SY6206-7	5SY6206-7	CIRCUIT BR. 5SY6206-7 SIEMENS
110QA4	E0029959	SIEMENS	5SY6104-7	5SY6104-7	CIRCUIT BR. 5SY6104-7 SIEMENS
110TA2	EIJJ550000	JASPERS	11161001	VE05	TRANSFORMER VE05 JASPERS
111QA3	EIHC043002	SIEMENS	8944621	3RV2411-4AA10	CIRCUIT BR. MOTOR 3RV2411-4AA10 SIEMENS
	E0025012	SIEMENS	3RV2901-1E	3RV2901-1E	CIRCUIT BR. MOTOR AUX. 3RV2901-1E SIEMENS
111TA3	EIJJ26K301	JASPERS		WD6.3	TRANSFORMER WD6.3 JASPERS
111TB3	EIKCDB3804	SEMIKRON	B6U 500/670-180 FTC +2TC	B6U 500/670-180 FTC +2TC	CONVERTER B6U 500/670-180 FTC +2TC SEMIKRON
150FC3	EIHE091001	SIEMENS	LV10.1	3NH3030	FUSE HOLDER 3NH3030 SIEMENS
	EIHFO70101	SIEMENS	3NE8018	3NE8018	FUSE HOLDER 3NE8018 SIEMENS
155QA2	E0029956	SIEMENS	3RV2011-1GA10	3RV2011-1GA10	CIRCUIT BR. MOTOR 3RV2011-1GA10 SIEMENS
	E0025012	SIEMENS	3RV2901-1E	3RV2901-1E	CIRCUIT BR. MOTOR AUX. 3RV2901-1E SIEMENS
200EA18	EIFD403002	SIEMENS	7056705	3SU1401-1BB40-1AA0	INDICATOR 3SU1401-1BB40-1AA0 SIEMENS
200EA2	EIFD403001	SIEMENS	7056701	3SU1401-1BB20-1AA0	INDICATOR 3SU1401-1BB20-1AA0 SIEMENS
200EA6	EIFD403004	SIEMENS	7056710	3SU1401-1BB60-1AA0	INDICATOR 3SU1401-1BB60-1AA0 SIEMENS
	EIFC050008	SIEMENS	7055299	3SU1001-6AA60-0AA0	INDICATOR 3SU1001-6AA60-0AA0 SIEMENS
	EICH000022	SIEMENS	7056854	3SU1500-0AA10-0AA0	HOLDER 3SU1500-0AA10-0AA0 SIEMENS
200KF14	EIDA052000	SIEMENS	8934572	3RT2018-1AB01	CONTACTOR 3RT2018-1AB01 SIEMENS
	E0079013	SIEMENS	3RH2911-1HA11	3RH2911-1HA11	CONTACTOR AUX. 3RH2911-1HA11 SIEMENS
200KF16	E0079018	SIEMENS	3RT2016-1AB01	3RT2016-1AB01	CONTACTOR 3RT2016-1AB01 SIEMENS
	E0079013	SIEMENS	3RH2911-1HA11	3RH2911-1HA11	CONTACTOR AUX. 3RH2911-1HA11 SIEMENS
200KF4	E0079009	SIEMENS	3RH2122-1AB00	3RH2122-1AB00	CONTACTOR 3RH2122-1AB00 SIEMENS
200KF9	E0079009	SIEMENS	3RH2122-1AB00	3RH2122-1AB00	CONTACTOR 3RH2122-1AB00 SIEMENS
200SF10	EICG032200	SIEMENS	7056639	3SU1400-1AA10-1BA0	PUSHBUTTON 3SU1400-1AA10-1BA0 SIEMENS
	EICH000016	SIEMENS	7055234	3SU1001-0AB40-0AA0	PUSHBUTTON 3SU1001-0AB40-0AA0 SIEMENS
	EICH000022	SIEMENS	7056854	3SU1500-0AA10-0AA0	HOLDER 3SU1500-0AA10-0AA0 SIEMENS
200SF11	EICG034300	SIEMENS	7056643	3SU1400-1AA10-1FA0	PUSHBUTTON 3SU1400-1AA10-1FA0 SIEMENS
	EICF000003	SIEMENS	7055310	3SU1002-2BF10-0AA0	SWITCH 3SU1002-2BF10-0AA0 SIEMENS
	EICH000022	SIEMENS	7056854	3SU1500-0AA10-0AA0	HOLDER 3SU1500-0AA10-0AA0 SIEMENS
	EICG034300	SIEMENS	7056643	3SU1400-1AA10-1FA0	PUSHBUTTON 3SU1400-1AA10-1FA0 SIEMENS

Components list

Component code	Item number	Manufacturer	Product Code	Custom code	Description
200SF4	EICG032100	SIEMENS	7056640	3SU1400-1AA10-1CA0	PUSHBUTTON 3SU1400-1AA10-1CA0 SIEMENS
	EICH000017	SIEMENS	7055066	3SU1000-1GB20-0AA0	PUSHBUTTON 3SU1000-1GB20-0AA0 SIEMENS
	EICH000021	SIEMENS	7057431	3SU1900-0BC31-0NB0	TEXT PLATE 3SU1900-0BC31-0NB0 SIEMENS
	EICH000022	SIEMENS	7056854	3SU1500-0AA10-0AA0	HOLDER 3SU1500-0AA10-0AA0 SIEMENS
200SF9	EICG032100	SIEMENS	7056640	3SU1400-1AA10-1CA0	PUSHBUTTON 3SU1400-1AA10-1CA0 SIEMENS
	EICH000015	SIEMENS	7055232	3SU1001-0AB20-0AA0	PUSHBUTTON 3SU1001-0AB20-0AA0 SIEMENS
	EICH000022	SIEMENS	7056854	3SU1500-0AA10-0AA0	HOLDER 3SU1500-0AA10-0AA0 SIEMENS
220BT2	E0029974	RITTAL	SK3110.000	SK3110.000	THERMOSTAT SK3110.000 RITTAL
220MA2	EI2G000016	RITTAL	SK3238.200	SK3238.200	FAN SK3238.200 RITTAL
220MA2.1	EI2G000015	RITTAL	SK3238.100	SK3238.100	FAN SK3238.100 RITTAL
990TEXTPLATE2	E0078679	_UNKNOWN	X	SEE PAGE 990 FOR DETAILS	TEXT PLATE SEE PAGE 990 FOR DETAILS

Components list

Component code	Item number	Manufacturer	Product Code	Custom code	Description

990TEXTPLATE2



- Text plate dimension: 45x15mm
- Text plate color: White
- Text color: Black