



[www.monoequip.com](http://www.monoequip.com)



# Harmony

## MODULAR DECK OVEN

— **SPARES MANUAL** —

MACHINE NO.FG257

When ordering spares please quote the **machine serial number** which can be found on the silver information plate of the machine and on the front cover of your manual.

**MONO EQUIPMENT**  
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Spares Tel. +44(0)1792 564039  
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## **SAFETY SYMBOLS**

The following safety symbols are used throughout available product documentation and the operating manual (available at [www.monoequip.com](http://www.monoequip.com)).

Pay special attention to information marked with the following symbols.



### **WARNING**

Indicates a hazardous situation which, if not avoided, will result in death or serious injury.



### **WARNING**

Indicates a hazardous situation which, if not avoided, will result in electric shock.



### **CAUTION**

Indicates a hazardous situation which, if not avoided, will result in minor or moderate injury.

## **ELECTRICAL SAFETY AND ADVICE REGARDING SUPPLEMENTARY ELECTRICAL PROTECTION:**

Commercial bakeries, kitchens and foodservice areas are environments where electrical appliances may be located close to liquids or operate in and around damp conditions or where restricted movement for installation and service is evident.

The installation and periodic inspection of the appliance should only be undertaken by a qualified, skilled and competent electrician, and connected to the correct power supply suitable for the load as stipulated by the appliance data label.

The electrical installation and connections should meet the necessary requirements of the local electrical wiring regulations and any electrical safety guidelines.

### **No work should be undertaken without disconnecting the power.**

### **We Recommend:**

- Supplementary electrical protection with the use of a residual current device (RCD)
- Fixed wiring appliances incorporate a locally situated switch disconnecter to connect to, which is easily accessible for switching off and safe isolation purposes. The switch disconnecter must meet the specification requirements of IEC 60947.



The supply to this machine must be protected by a **30mA RCD**

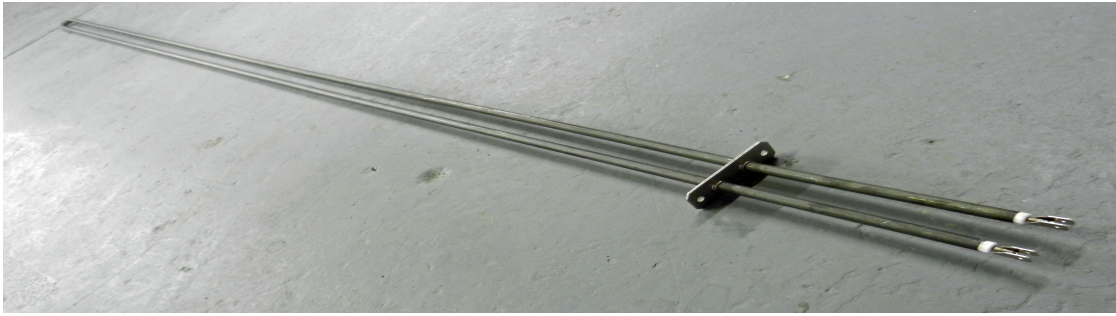
# MODULAR DECK OVEN

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# ELEMENT SPARES

---



## 3 ACROSS

TOP HEAT ELEMENT 1.0kW	B854-04-093
TOP HEAT ELEMENT 0.6kW	B854-04-091
BOTTOM HEAT ELEMENT 0.75kW	B854-04-092

## 2 ACROSS

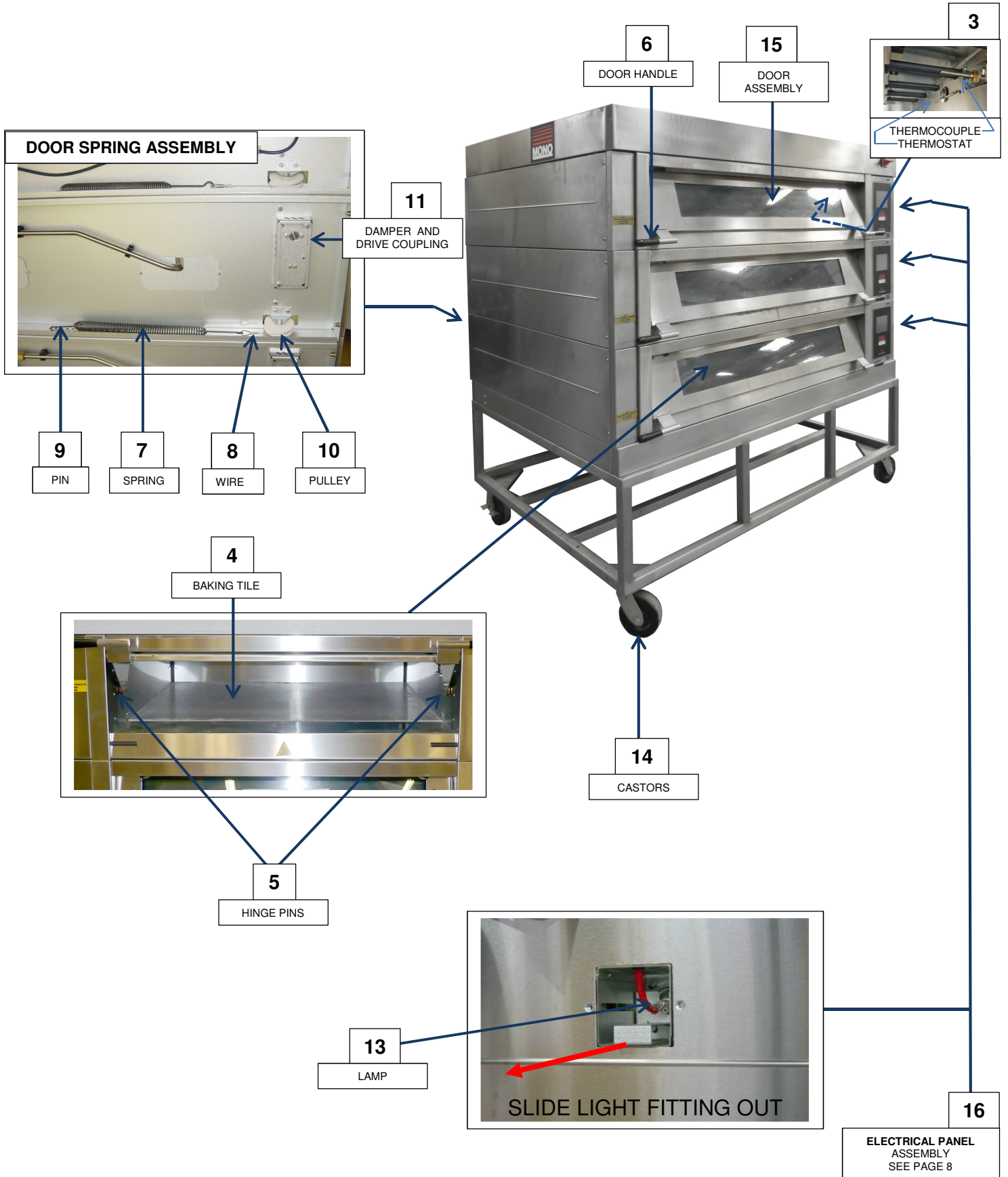
TOP HEAT ELEMENT 0.65kW	B854-04-102
TOP HEAT ELEMENT 0.4kW	B854-04-100
BOTTOM HEAT ELEMENT 0.5kW	B854-04-101

## 1 ACROSS

TOP HEAT ELEMENT 0.325kW	B854-04-111
TOP HEAT ELEMENT 0.2kW	B854-04-109
BOTTOM HEAT ELEMENT 0.25kW	B854-04-110

# DECK OVEN PART LOCATIONS

ITEM PART NUMBERS ARE ON THE FOLLOWING PAGES





## DECK OVEN PART INFORMATION

	<p><b>FROSTED GLASS (LIGHTS)</b> PART No.257-02-00027</p>	<p><b>1</b></p>	
	<p><b>PLAIN GLASS (LIGHTS)</b> PART No.257-02-00028</p>	<p><b>2</b></p>	
	<p><b>THERMOCOUPLE</b> PART No.B873-95-007</p> <p><b>THERMOSTAT</b> PART No.B888-30-014</p>	<p><b>3</b></p>	
	<p><b>BAKING TILE</b></p> <p>3 ACROSS PART No.257-02-00046 2 ACROSS PART No.257-02-00047 1 ACROSS PART No.257-02-00048</p>	<p><b>4</b></p>	
 <p><b>LH</b></p>	 <p><b>RH</b></p>	<p><b>HINGE PIN LH</b> PART No.257-03-00009</p> <p><b>HINGE PIN RH</b> PART No.257-03-00005</p>	<p><b>5</b></p>
	<p><b>BLACK DOOR HANDLE</b> PART No.A900-27-192</p>	<p><b>6</b></p>	
	<p><b>DOOR SPRING</b> PART No.257-03-00017</p>	<p><b>7</b></p>	

	<p align="center"><b>WIRE ROPE</b> PART No.257-03-00024</p>	<p align="center"><b>8</b></p>
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	<p align="center"><b>SPRING RETAINING PIN</b> PART No.257-03-00025</p>	<p align="center"><b>9</b></p>
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		<p><b>PULLEY</b> PART No.257-03-00015</p> <p><b>PULLEY SPINDLE</b> PART No.257-03-00013</p>	<p align="center"><b>10</b></p>
<p align="center"><b>PULLEY</b></p>	<p align="center"><b>SPINDLE</b></p>		

		<p><b>DAMPER DRIVE COUPLING</b> PART No.257-07-00007</p> <p><b>DAMPER SOLENOID</b> PART No.B749-83-004</p>	<p align="center"><b>11</b></p>
<p align="center"><b>COUPLING</b></p>	<p align="center"><b>SOLENOID</b></p>		

	<p align="center"><b>ELEMENT GASKET</b> PART No.245-02-01300</p>	<p align="center"><b>12</b></p>
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	<p align="center"><b>20w DICHROIC LAMP</b> PART No.B855-94-008</p>	<p align="center"><b>13</b></p>
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	<p><b>CASTORS 5-DECK ONLY</b> <b>BRAKED</b> PART No.A900-20-053 <b>UNBRAKED</b> PART No.A900-20-052</p> <p><b>CASTORS 4/3/2 DECKS</b> <b>BRAKED</b> PART No.A900-20-033 <b>UNBRAKED</b> PART No.A900-20-034</p>	<p align="center"><b>14</b></p>
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# DOOR ASSEMBLIES

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	<p><b>3 ACROSS <u>GLASS</u> DOOR ASSEMBLY</b> PART No.257-03-00095</p>	<p>15</p>
	<p><b>2 ACROSS <u>GLASS</u> DOOR ASSEMBLY</b> PART No.257-03-00114</p>	
	<p><b>1 ACROSS <u>GLASS</u> DOOR ASSEMBLY</b> PART No.257-03-00129</p>	

**GLASS**

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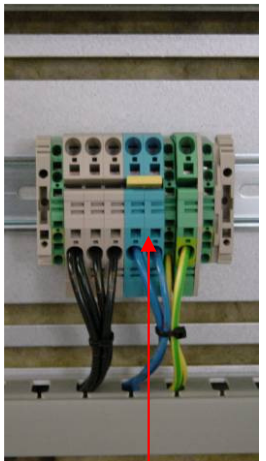
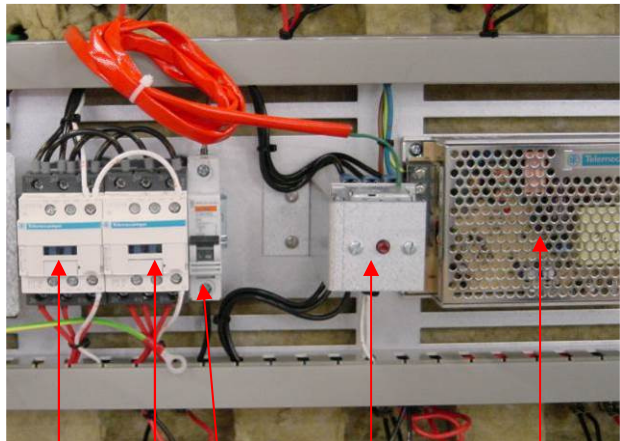
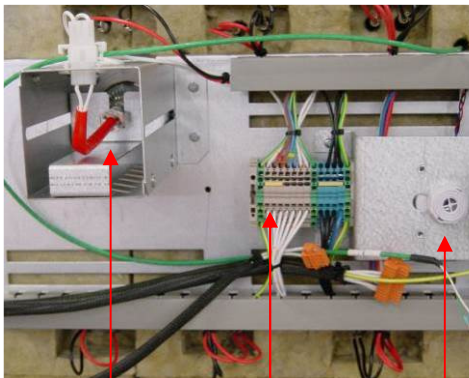
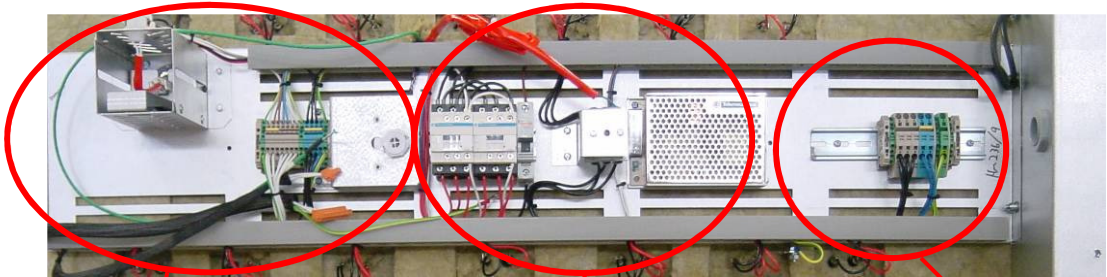
	<p><b>3 ACROSS <u>SOLID</u> DOOR ASSEMBLY</b> PART No.257-03-00121</p>	<p>15</p>
	<p><b>2 ACROSS <u>SOLID</u> DOOR ASSEMBLY</b> PART No.257-03-00122</p>	
	<p><b>1 ACROSS <u>SOLID</u> DOOR ASSEMBLY</b> PART NOT AVAILABLE</p>	

**SOLID**



# ELECTRICAL PANEL MAIN COMPONENTS

ITEM REFERENCES REFER TO PARTS SHOWN ON NEXT PAGES AND ELECTRICAL DRAWINGS



H1

TB2

S1  
OPTIONAL

K1

K2

F4

F5

POWER SUPPLY  
B801-93-005

TB1

OVERHEAT  
THERMOSTAT  
B888-30-014

INTERIOR  
LIGHT  
B855-94-008

TOP  
HEAT  
CONTACTOR  
B801-08-021

BOTTOM  
HEAT  
CONTACTOR  
B801-08-021

CONTROL  
POWER  
SUPPLY  
MCB  
B872-22-062

## ELECTRICAL PARTS LIST– 3 TRAY WIDE

---

DRG REF.	<u>DESCRIPTION</u>	<u>PART NUMBER</u>
F1	HEATERS MCB	B872-22-007
F2	HEATERS MCB	B872-22-007
F3	HEATERS MCB	B872-22-007
F4	CONTROL POWER SUPPLY MCB	B872-22-062
F5	OVERHEAT THERMOSTAT	B888-30-014
T1	CONTROL CIRCUIT POWER SUPPLY	B801-93-005
K1	TOP HEAT CONTACTOR	B801-08-021
K2	BOTTOM HEAT CONTACTOR	B801-08-021
Y1	WATER SOLENOID (8mm pipe)	A900-34-365
H1	INTERIOR LIGHT	B855-94-008
B1	OVEN THERMOCOUPLE	B873-95-007
U1	MAIN ECO PRINTED CIRCUIT BOARD	M158-25-80000
D1	DAMPER SOLENOID	B749-83-004
R1	<b>TOP HEAT ELEMENT 1.0kW</b>	B854-04-093
R2	TOP HEAT ELEMENT 0.6kW	B854-04-091
R3	TOP HEAT ELEMENT 0.6kW	B854-04-091
R4	TOP HEAT ELEMENT 0.6kW	B854-04-091
R5	TOP HEAT ELEMENT 0.6kW	B854-04-091
R6	TOP HEAT ELEMENT 0.6kW	B854-04-091
R7	TOP HEAT ELEMENT 0.6kW	B854-04-091
R8	<b>BOTTOM HEAT ELEMENT 0.75kW</b>	B854-04-092
R9	BOTTOM HEAT ELEMENT 0.6kW	B854-04-091
R10	BOTTOM HEAT ELEMENT 0.6kW	B854-04-091
R11	BOTTOM HEAT ELEMENT 0.6kW	B854-04-091
R12	BOTTOM HEAT ELEMENT 0.6kW	B854-04-091
R13	BOTTOM HEAT ELEMENT 0.6kW	B854-04-091
R14	BOTTOM HEAT ELEMENT 0.6kW	B854-04-091

# ELECTRICAL PARTS LIST – 2 TRAY WIDE

---

DRG REF.	<u>DESCRIPTION</u>	<u>PART NUMBER</u>
F1	HEATERS MCB	B872-22-006
F2	HEATERS MCB	B872-22-006
F3	HEATERS MCB	B872-22-006
F4	CONTROL POWER SUPPLY MCB	B872-22-062
F5	OVERHEAT THERMOSTAT	B888-30-014
T1	CONTROL CIRCUIT POWER SUPPLY	B801-93-005
K1	TOP HEAT CONTACTOR	B801-08-021
K2	BOTTOM HEAT CONTACTOR	B801-08-021
Y1	WATER SOLENOID (8mm pipe)	A900-34-365
H1	INTERIOR LIGHT	B855-94-008
B1	OVEN THERMOCOUPLE	B873-95-007
U1	MAIN ECO PRINTED CIRCUIT BOARD	M158-25-80000
D1	DAMPER SOLENOID	B749-83-004
R1	<b>TOP HEAT ELEMENT 0.65kW</b>	B854-04-102
R2	TOP HEAT ELEMENT 0.4kW	B854-04-100
R3	TOP HEAT ELEMENT 0.4kW	B854-04-100
R4	TOP HEAT ELEMENT 0.4kW	B854-04-100
R5	TOP HEAT ELEMENT 0.4kW	B854-04-100
R6	TOP HEAT ELEMENT 0.4kW	B854-04-100
R7	TOP HEAT ELEMENT 0.4kW	B854-04-100
R8	<b>BOTTOM HEAT ELEMENT 0.5kW</b>	B854-04-101
R9	BOTTOM HEAT ELEMENT 0.4kW	B854-04-100
R10	BOTTOM HEAT ELEMENT 0.4kW	B854-04-100
R11	BOTTOM HEAT ELEMENT 0.4kW	B854-04-100
R12	BOTTOM HEAT ELEMENT 0.4kW	B854-04-100
R13	BOTTOM HEAT ELEMENT 0.4kW	B854-04-100
R14	BOTTOM HEAT ELEMENT 0.4kW	B854-04-100

# ELECTRICAL PARTS LIST – 1 TRAY WIDE

---

DRG REF.	<u>DESCRIPTION</u>	<u>PART NUMBER</u>
F1	HEATERS MCB                      Single phase only	B872-22-005
F2	HEATERS MCB	B872-22-005
F3	HEATERS MCB	B872-22-005
F4	CONTROL POWER SUPPLY MCB	B872-22-062
F5	OVERHEAT THERMOSTAT	B888-30-014
T1	CONTROL CIRCUIT POWER SUPPLY	B801-93-005
K1	TOP HEAT CONTACTOR	B801-08-021
K2	BOTTOM HEAT CONTACTOR	B801-08-021
Y1	WATER SOLENOID (8mm pipe)	A900-34-365
H1	INTERIOR LIGHT	B855-94-008
B1	OVEN THERMOCOUPLE	B873-95-007
U1	MAIN ECO PRINTED CIRCUIT BOARD	M158-25-80000
D1	DAMPER SOLENOID	B749-83-004
R1	<b>TOP HEAT ELEMENT 0.35kW</b>	B854-04-111
R2	TOP HEAT ELEMENT 0.2kW	B854-04-109
R3	TOP HEAT ELEMENT 0.2kW	B854-04-109
R4	TOP HEAT ELEMENT 0.2kW	B854-04-109
R5	TOP HEAT ELEMENT 0.2kW	B854-04-109
R6	TOP HEAT ELEMENT 0.2kW	B854-04-109
R7	TOP HEAT ELEMENT 0.2kW	B854-04-109
R8	<b>BOTTOM HEAT ELEMENT 0.25kW</b>	B854-04-110
R9	BOTTOM HEAT ELEMENT 0.2kW	B854-04-109
R10	BOTTOM HEAT ELEMENT 0.2kW	B854-04-109
R11	BOTTOM HEAT ELEMENT 0.2kW	B854-04-109
R12	BOTTOM HEAT ELEMENT 0.2kW	B854-04-109
R13	BOTTOM HEAT ELEMENT 0.2kW	B854-04-109
R14	BOTTOM HEAT ELEMENT 0.2kW	B854-04-109

# OVEN CANOPY PARTS LIST

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**FG257-3-CF220** 3 ACROSS CANOPY AND FAN (220V 1PH+E 60HZ)

**FG257-3-CF400** 3 ACROSS CANOPY AND FAN (230V 1PH+N+E 50HZ)

**FG257-2-CF220** 2 ACROSS CANOPY AND FAN (220V 1PH+E 60HZ)

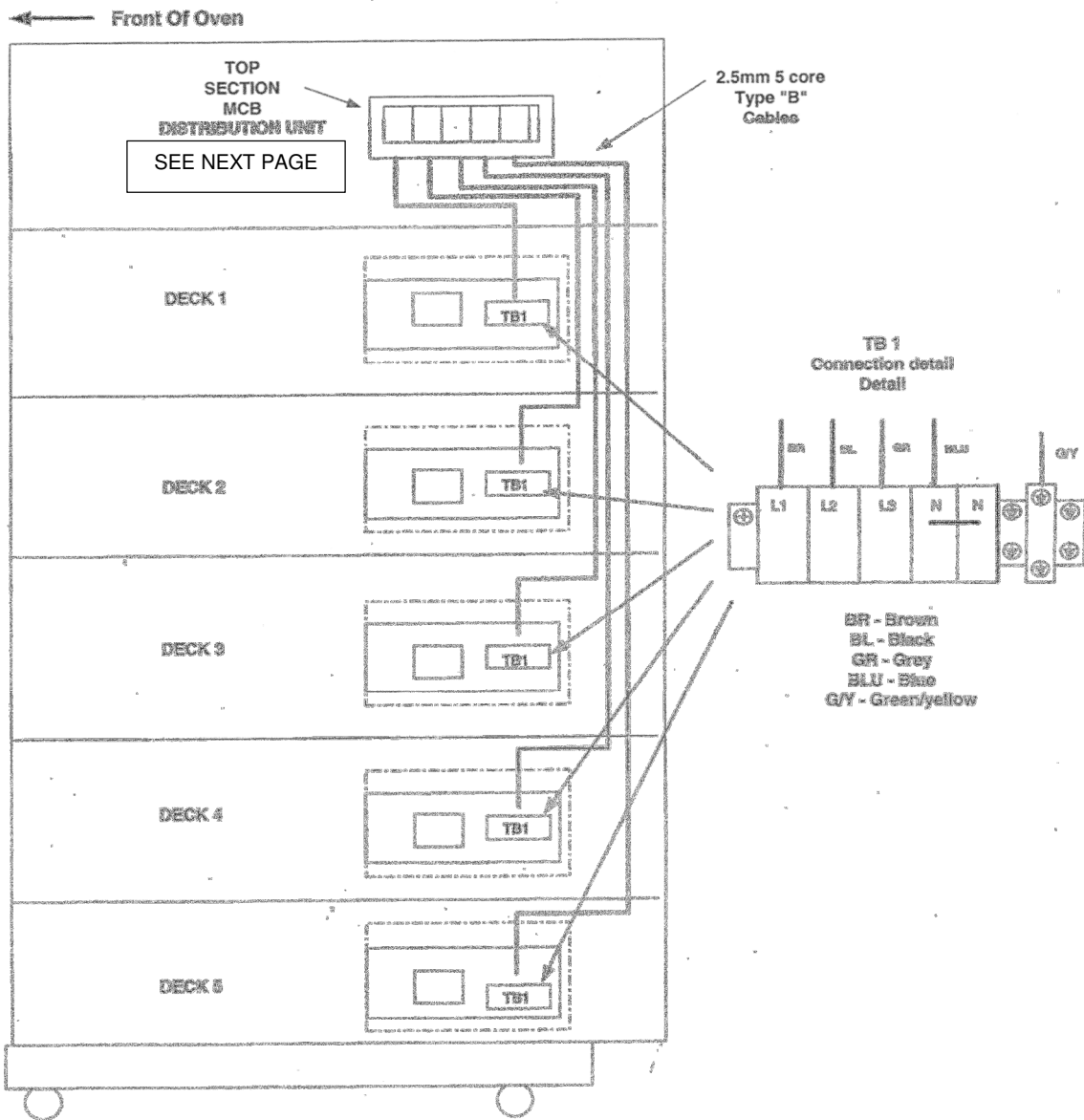
**FG257-2-CF400** 2 ACROSS CANOPY AND FAN (230V 1PH+N+E 50HZ)

**FG257-1-CF400** 1 ACROSS CANOPY AND FAN (230V 1PH+N+E 50HZ)

	<p><b>CANOPY FAN CAPACITOR</b> 4-6uf – 400VDB – METAL B869-23-005</p>	<p><b>1</b></p>
	<p><b>CANOPY FAN ON/OFF SWITCH</b> B895-07-005</p>	<p><b>2</b></p>
	<p><b>CANOPY FAN TYPE R2E225-AG01-21</b> (230V, 0.88AMP, 200W) B869-75-026</p>	<p><b>3</b></p>
	<p><b>2 POSITION SELECTOR</b> B801-12-011</p>	<p><b>4</b></p>
	<p><b>CONTACT BLOCK</b> B801-14-005</p>	<p><b>5</b></p>

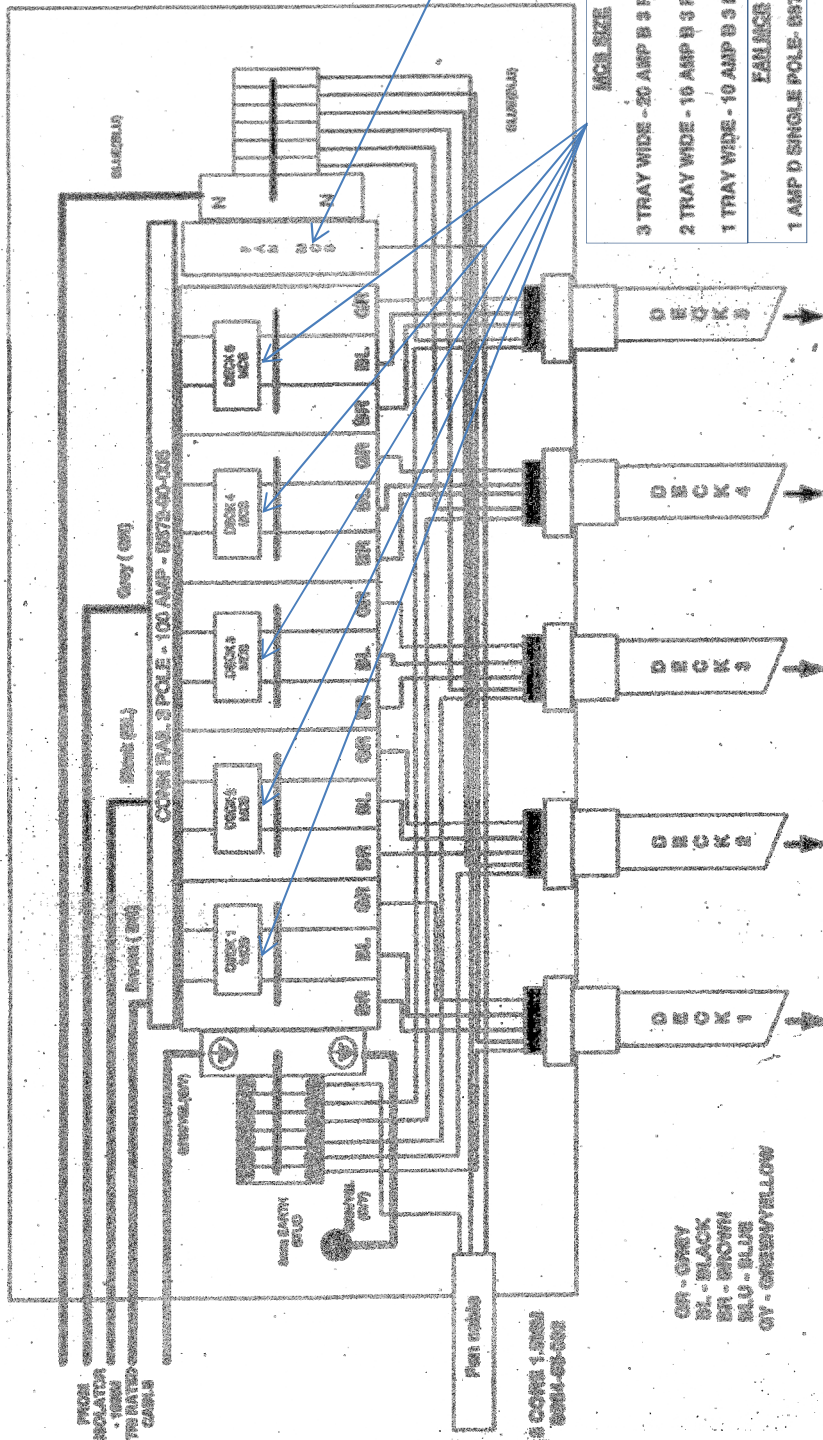
# DX UK Modular MK2 Deck Oven Interlink Detail

DECKS ARE LINKED AS REQUIRED - 2, 3, 4 AND 5 HIGH



 KNOX	UK/EUROPE MODULAR MK 2 DECK OVEN INTERLINK DETAIL	
	400V 50/60 HZ 3 PHASE + N+E	ADT
19-2-07	M257E25-52500	-

TYPE 2 CANOPY MK 2 DECK GIVEN MCB WIRING



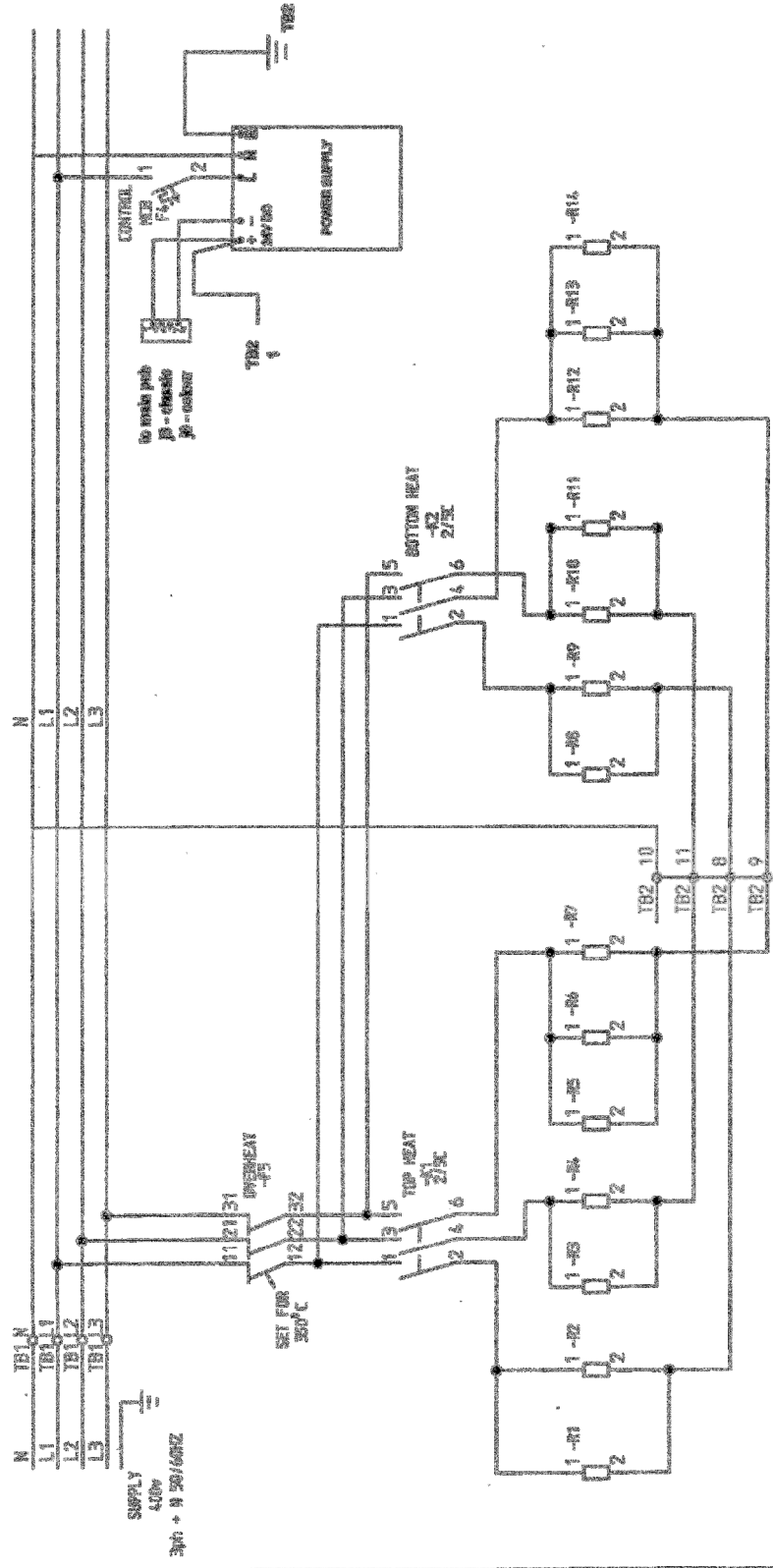
MCB SIZE	
3 TRAY WIDE - 20 AMP B 3 POLE- BS72-22-027	
2 TRAY WIDE - 10 AMP B 3 POLE- BS72-22-026	
1 TRAY WIDE - 10 AMP B 3 POLE- BS72-22-025	
FAL MCB	
1 AMP D SINGLE POLE- BS72-22-060	

UK/EUROPE TOP SECTION MCB WIRING DISTRIBUTION UNIT	
<small>                     MANUFACTURER                      MANUFACTURE                      MODEL                      DATE OF ISSUE                      DATE OF REVISION                      DRAWING NO.                 </small>	<small>                     PART NO.                      ADT                      DATE                      REV                 </small>
400V 50/60 HZ 3 PHASE + N+E	BS72-22-026/027 ADT 19-2-07 M057E26-0200

USE WIRE CABLE TO EACH DECK (TS1) TYPE B BS43-57-433

CR - GREY  
 BK - BLACK  
 BR - BROWN  
 BLU - BLUE  
 OY - GREEN/YELLOW

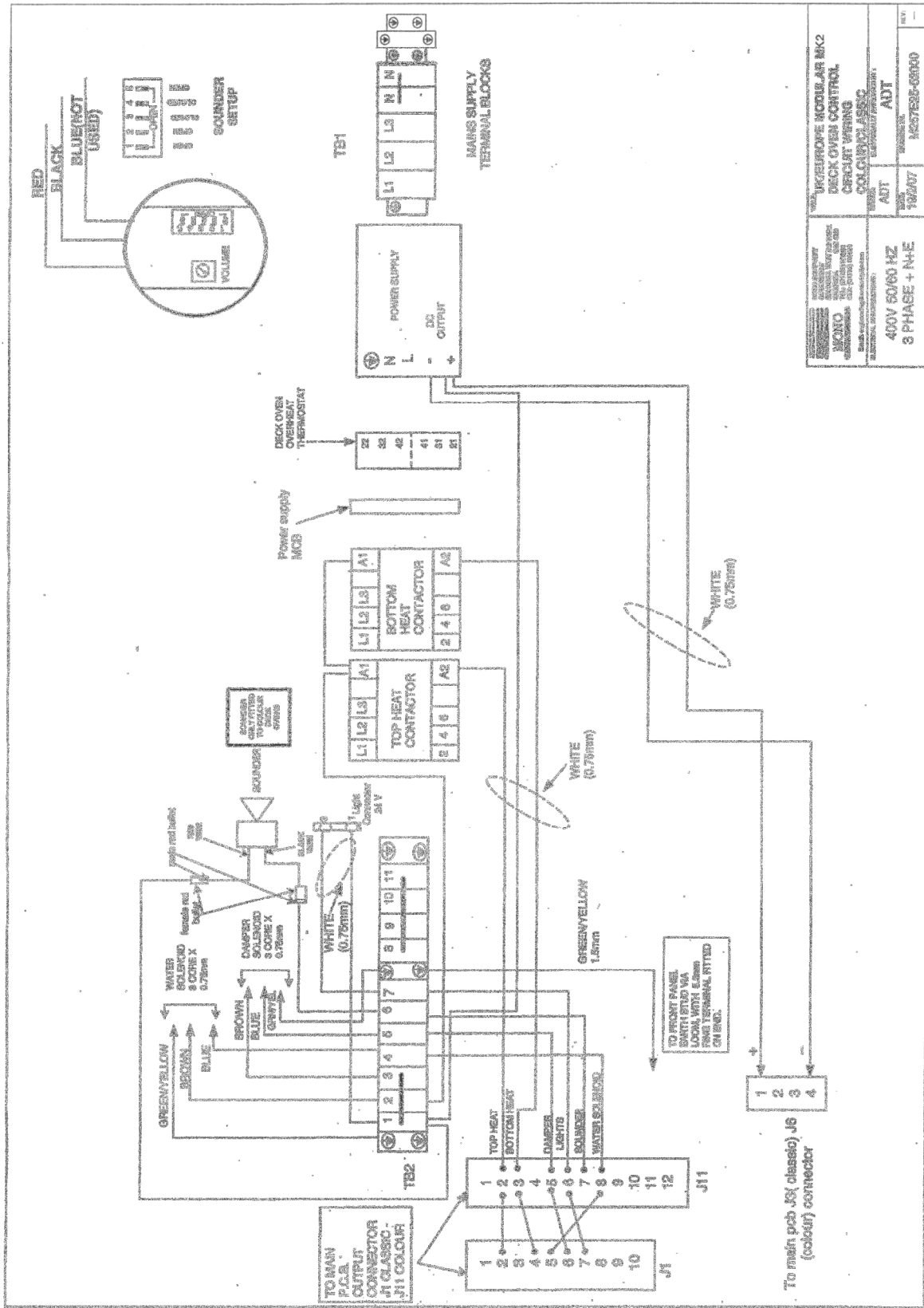
IF IN ANY DOUBT - ASK



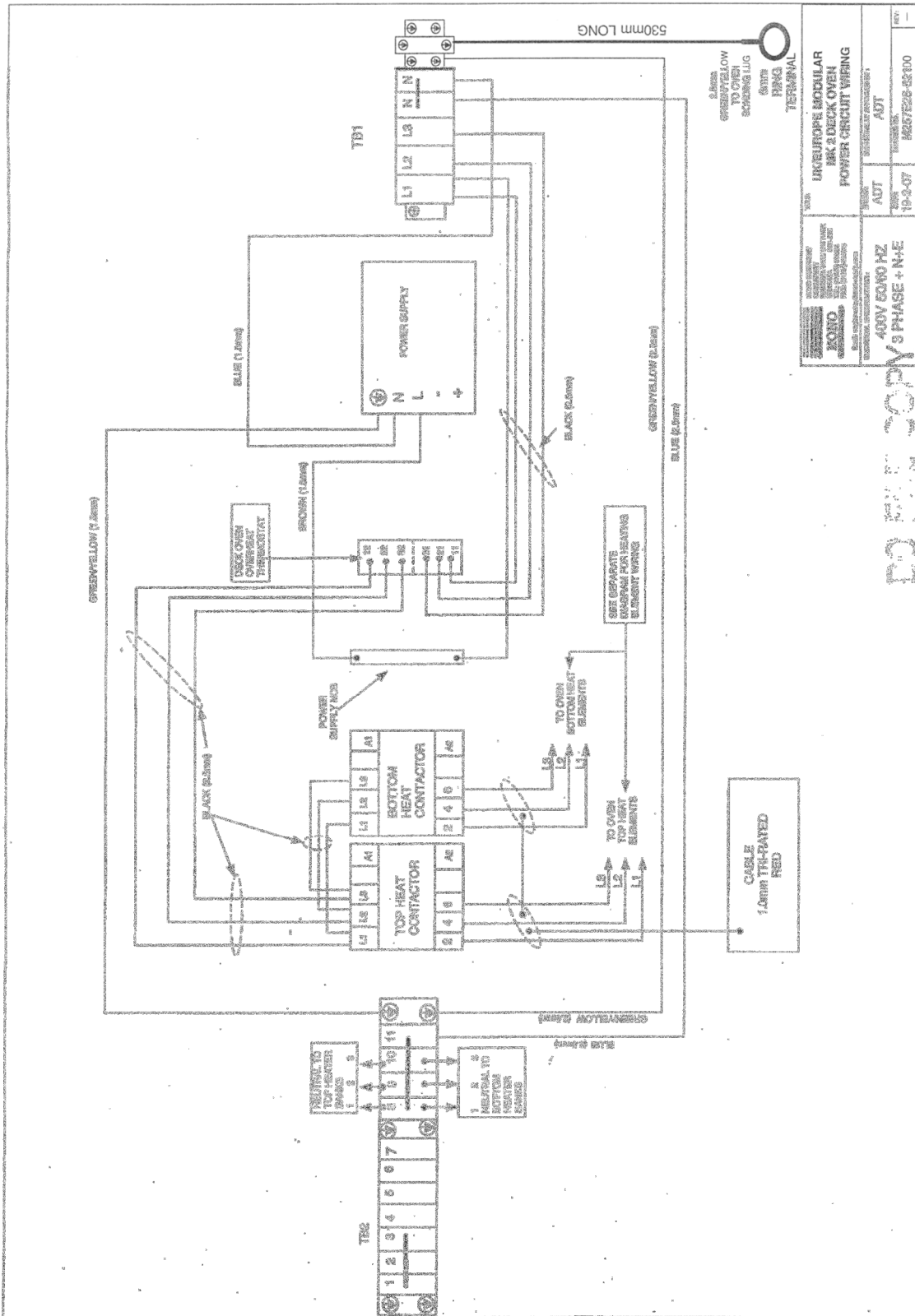
REV	ISS	DATE	DESCRIPTION	ECH NO.
			<p>WORKING DRAWING                      CLASSIFICATION                      DRAWING NUMBER AND PART                      000-000000                      000-000000                      000-000000</p>	
			<p>TELEPHONE: 01753 872284                      FAX: 01753 872118</p>	
			<p>ELECTRICAL SPECIFICATIONS:                      400V 3PH &amp; N + E                      50/60 Hz</p>	
			<p>UK                      DRAWN: RAC                      DATE: 7/3/07</p>	
			<p>MODULAR DECK OVEN                      POWER CIRCUIT                      TOP-BOTTOM HEAT</p>	
			<p>ELECTRICALLY APPROVED BY:                      AT</p>	
			<p>DRAWING NO. N257E25-30000</p>	
			<p>REV. 1</p>	

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<p>WARNING: THIS EQUIPMENT MUST BE INSTALLED AND MAINTAINED BY A QUALIFIED ELECTRICIAN. THE INSTALLATION MUST BE IN ACCORDANCE WITH THE APPLICABLE ELECTRICAL REGULATIONS AND STANDARDS.</p> <p>CAUTION: THIS EQUIPMENT CONTAINS HIGH VOLTAGE COMPONENTS. DO NOT TOUCH THESE COMPONENTS.</p> <p>Electrical connections:</p>	<p>MARKET APPROVE MCB/RCB AIR MK2</p> <p>DECK OVEN CONTROL CIRCUIT BREAKER</p> <p>DCI CLASSIC</p> <p>TERMINAL BLOCK</p>
<p>ACT</p> <p>19/01/07</p>	<p>ACT</p> <p>MS2753-00000</p>
<p>400V 50/60 HZ</p> <p>3 PHASE + N+E</p>	<p>ADT</p> <p>MS2753-00000</p>

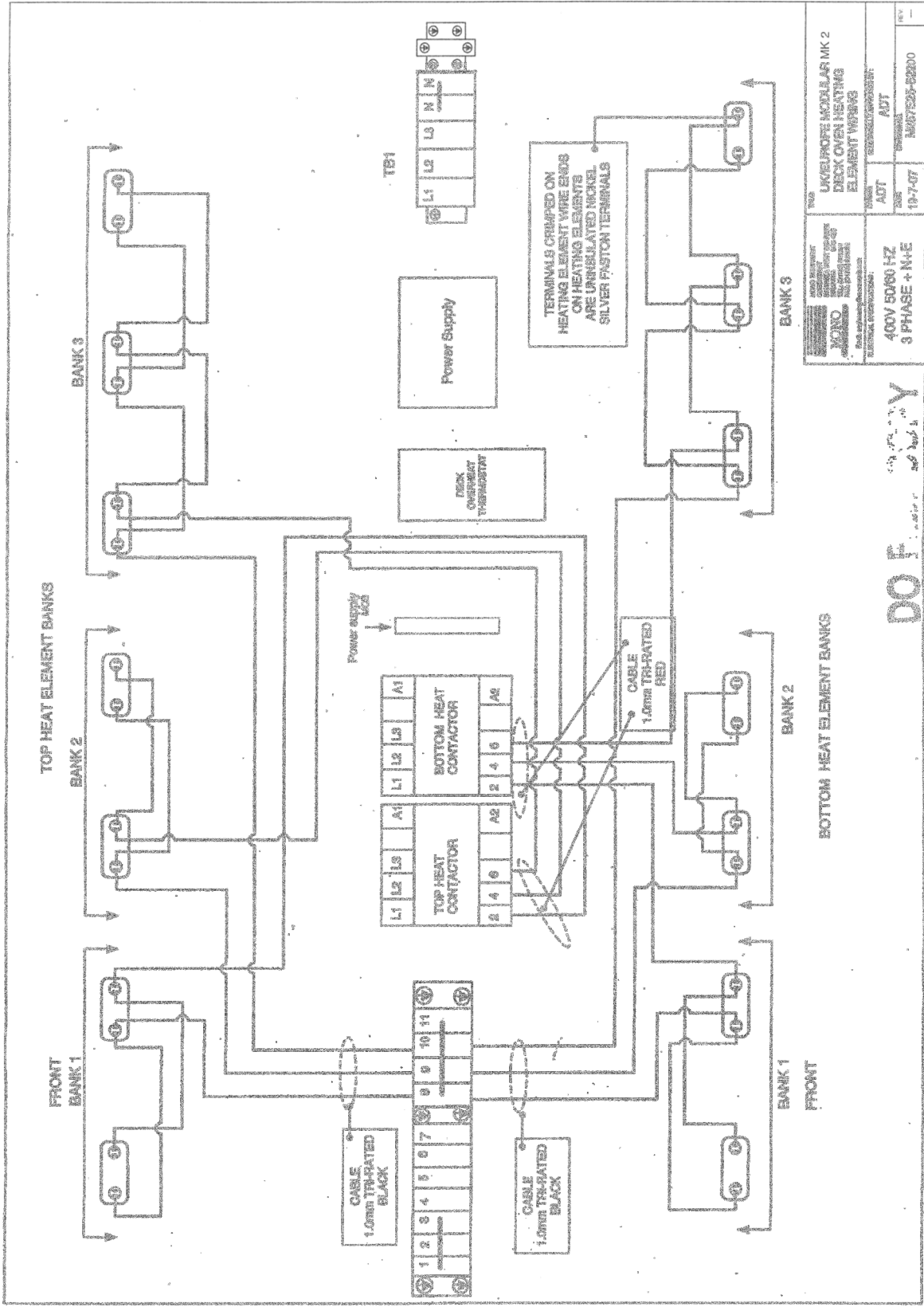


530mm LONG

3. Phase  
GREEN/YELLOW  
TO OPEN  
SCREWING LUG  
80775  
80783  
80783  
TERMINAL

<p>UNILUXEPORE MODULAR 80K 2 DECK OVERH POWER CIRCUIT WIRING</p>	REV	DESCRIPTION	DATE
	1	ADT	19-9-07
<p>400V EORO MZ 3 PHASE + N+E</p>	REV	DESCRIPTION	DATE
	1	ADT	19-9-07

COPY



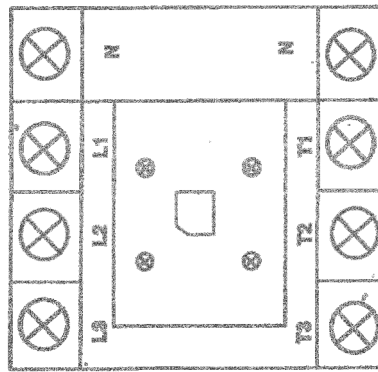
REV	1	REV	1
DATE	19-7-07	DATE	19-7-07
BY	ADT	BY	ADT
CHECKED	ADT	CHECKED	ADT
APPROVED	ADT	APPROVED	ADT
ELECTRICAL SUPERVISOR			
400V 50/60 HZ			
3 PHASE + N+E			
PART NO. N007225-0200			

DO NOT SCALE

**MODULAR DECK MK 2 MAIN ISOLATOR WIRING**

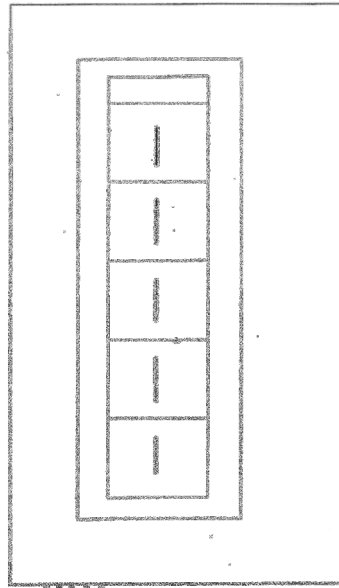
MAIN ISOLATOR  
VCCF4  
B901-07-012

NEUTRAL BLOCK  
VZ12  
B901-14-017



10MM  
TRI RATED CABLE

TOP SECTION MCB DISTRIBUTION UNIT



GR - GREY  
BL - BLACK  
BR - BROWN  
BLU - BLUE  
GY - GREEN/YELLOW

UK EUROPE MODULAR MK 2 DECK OVEN ISOLATOR WIRING	DATE OF ISSUE 19-06-07	REVISION 1
	DRAWN BY ADT	CHECKED BY ADT
400V 50/60 HZ 3 PHASE + N+E	DATE 19-06-07	DRAWING NO. M257E28-32400
UK EUROPE MODULAR MK 2 DECK OVEN ISOLATOR WIRING	DATE OF ISSUE 19-06-07	REVISION 1