

## Instructions and Parts List

# Upgrade Kit

## Motor Protection Electrical Box (Metal)

**Part Number: 78-8137-9499-3**

**For Use on the following 3M-Matic™ Case Sealers:**

**7000a-7000a3 Pro, 7000r-7000r3 Pro,  
8000a-8000a3**

### Purpose of the Kit

The Upgrade Kit (P/N 78-8137-9499-3) is used to replace the Eaton motor protection circuit breaker and all associated box components with the Allen Bradley motor protection circuit breaker components.

Please read through these instructions to thoroughly understand and properly install this upgrade procedure.

### KIT CONTENTS:

ITEM	PART NUMBER	DESCRIPTON	QTY
15978-1	78-8094-6384-3	Clamp-61492-WG6-Ground	1
15978-2	78-8137-0607-0	Fitting-M20X1.5	2
15978-3	78-8129-6469-6	Nut-M20X1.5	2
15978-4	78-8137-0796-1	Plug	6
15978-5	78-8137-0604-7	Coil-Under Voltage	1
15978-6	78-8137-0606-2	Handle-DoorCoupling	1
15978-7	78-8137-0782-1	Phases Spacer	1
15978-8	78-8137-8090-1	Cover-Electrical Box	1
15978-9	78-8137-7968-9	Screw-M5X16-Galvanized	4
15978-10	78-8137-7976-1	Box-Electrical	1
15978-11	78-8119-8554-4	Adhesive Rubber Seal	1
15978-12	78-8137-0780-5	Motor Protection	1

### REFERENCE MANUALS:

44-0009-2132-8	7000a-7000a3 Pro Operator's Manual	1
44-0009-2133-6	7000r-7000r3 Pro Operator's Manual	1
44-0009-2134-4	8000a-8000a3 Operator's Manual	1

# Installation Instructions

## Required Tools:

Diagonal Cutters  
Wire Strippers  
Needle Nose - Pliers  
Phillips Screw Driver (2 pt.)

## Materials Supplied:

Electrical Enclosure  
Electrical Print  
Instruction Sheet  
(also see your model Reference Manual)



## WARNING

- To reduce the risk associated with mechanical and electrical hazards:
  - Read, understand, and follow all safety and operating instructions before operating or servicing the case sealer.
  - Allow only properly trained and qualified personnel to operate and service this equipment.
- To reduce the risk associated with pinches, entanglement and hazardous voltage:
  - Turn pneumatic and electrical supply off and disconnect before performing any adjustments, maintenance or servicing the machine or taping heads.

## Note - Universal Instructions:

Some enclosures require either 3 or 4 cord grips.

## Instructions:

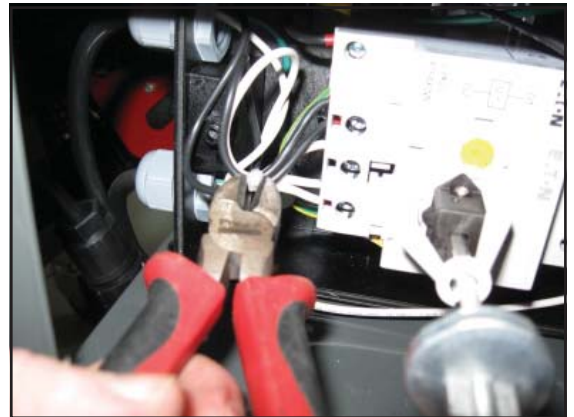
1. Turn off and unplug sealer from wall outlet.



2. Using Phillips Screw Driver, remove cover.



3. Cut Tie Wraps on wires that will be removed.



(Instructions continued on next page)

## Installation Instructions *(continued)*

4. Remove screws holding enclosure.



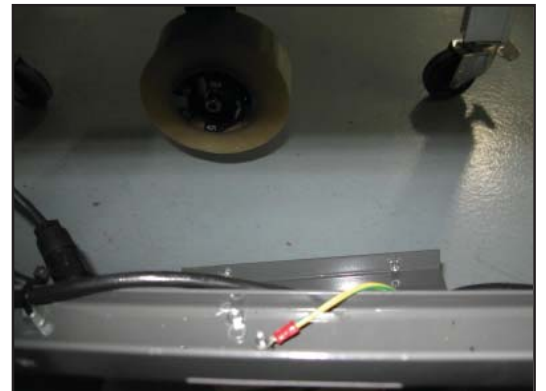
7. On each side of overload, ground terminal, and under voltage coil - continue to loosen terminal screws.



5. Disconnect each wire and "tag" with masking tape (as needed)



8. Remove Ground Cable beneath enclosure.



6. Several terminals will be cut in order to pull wiring from the enclosure (these terminals will not be replaced). Then strip wires and directly attach to new enclosure.



*(Instructions continued on next page)*

## Installation Instructions *(continued)*

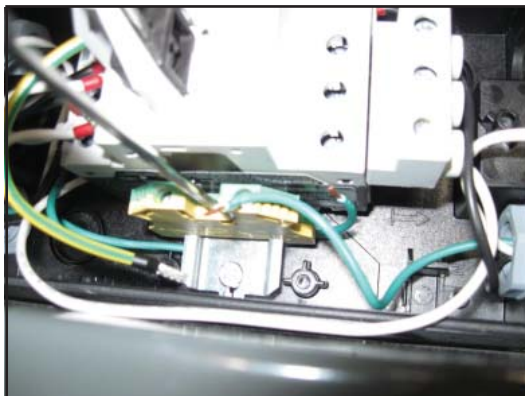
9. Without removing cord grip from the cable, remove cord grip. In order to be sure cord grips are re-installed in same position, mark the grips and location.



9. *(cord grips continued)*



10. Remove ground block (cut cables as needed)



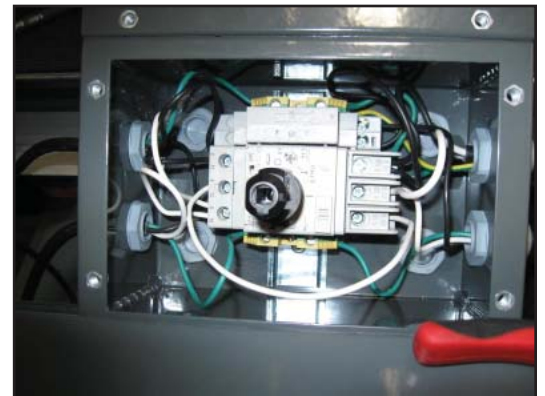
11. Mount new enclosure in same location.



12. Re-install ground terminal block in new enclosure



13. Re-install cord grips in new enclosure while also re-wiring them in new overload.  
*Note:* The numbers on overload and undervoltage coil are identical (refer to wiring diagram)



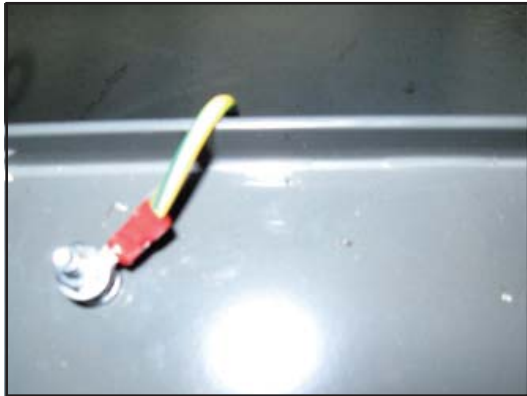
*Note:* The numbers on overload and undervoltage coil are identical (refer to wiring diagram)

*(Instructions continued on next page)*



## Installation Instructions *(continued)*

14. Re-mount ground wire to case sealer frame.



15. Mount cover and rotary switch to enclosure.

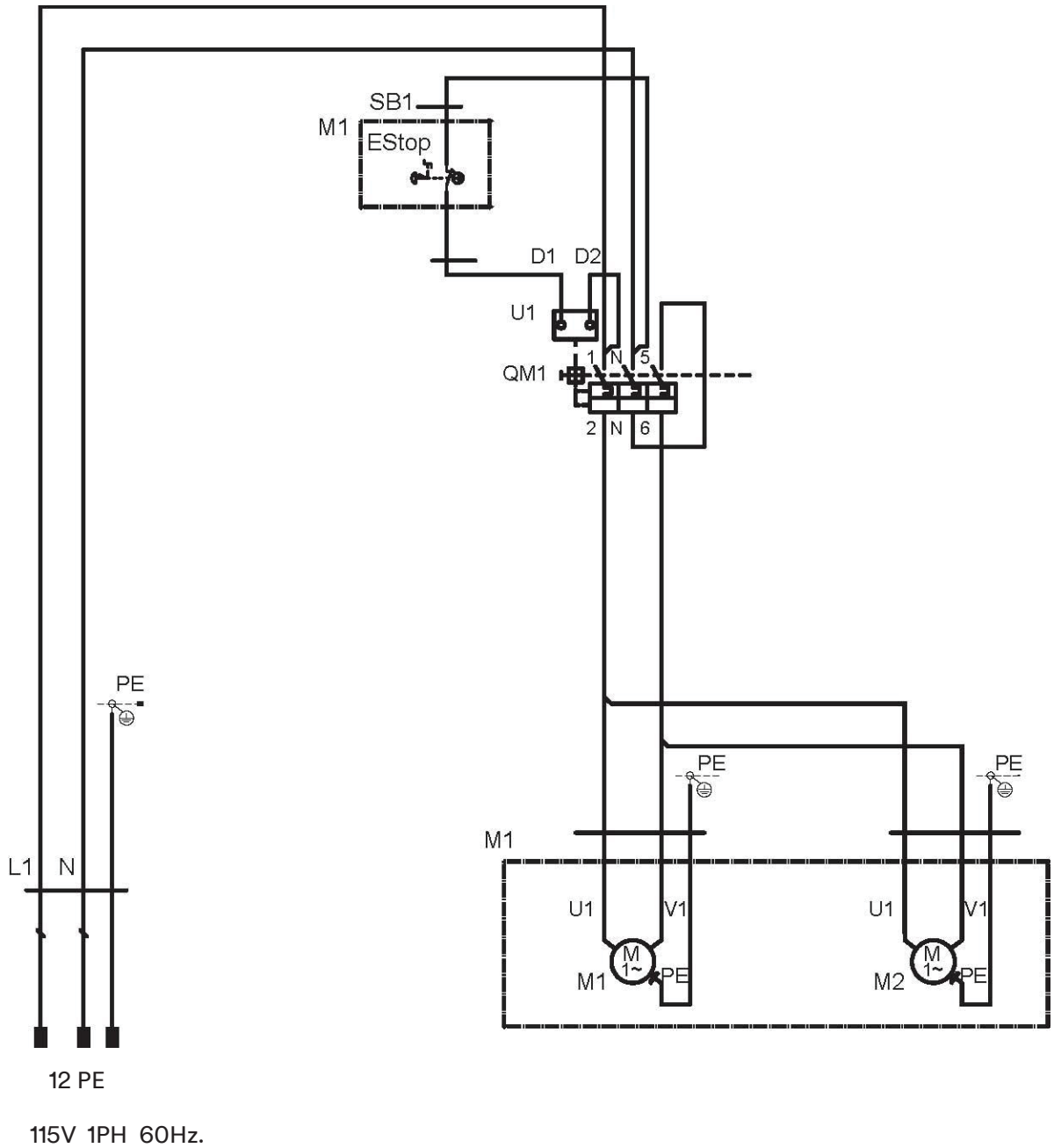
Note: Rotary switch may have to be disconnected. Rotate the switch to align with overload.



**Note:** At this point, reconnect power cord, turn on E-stop, and test several times for functionality.

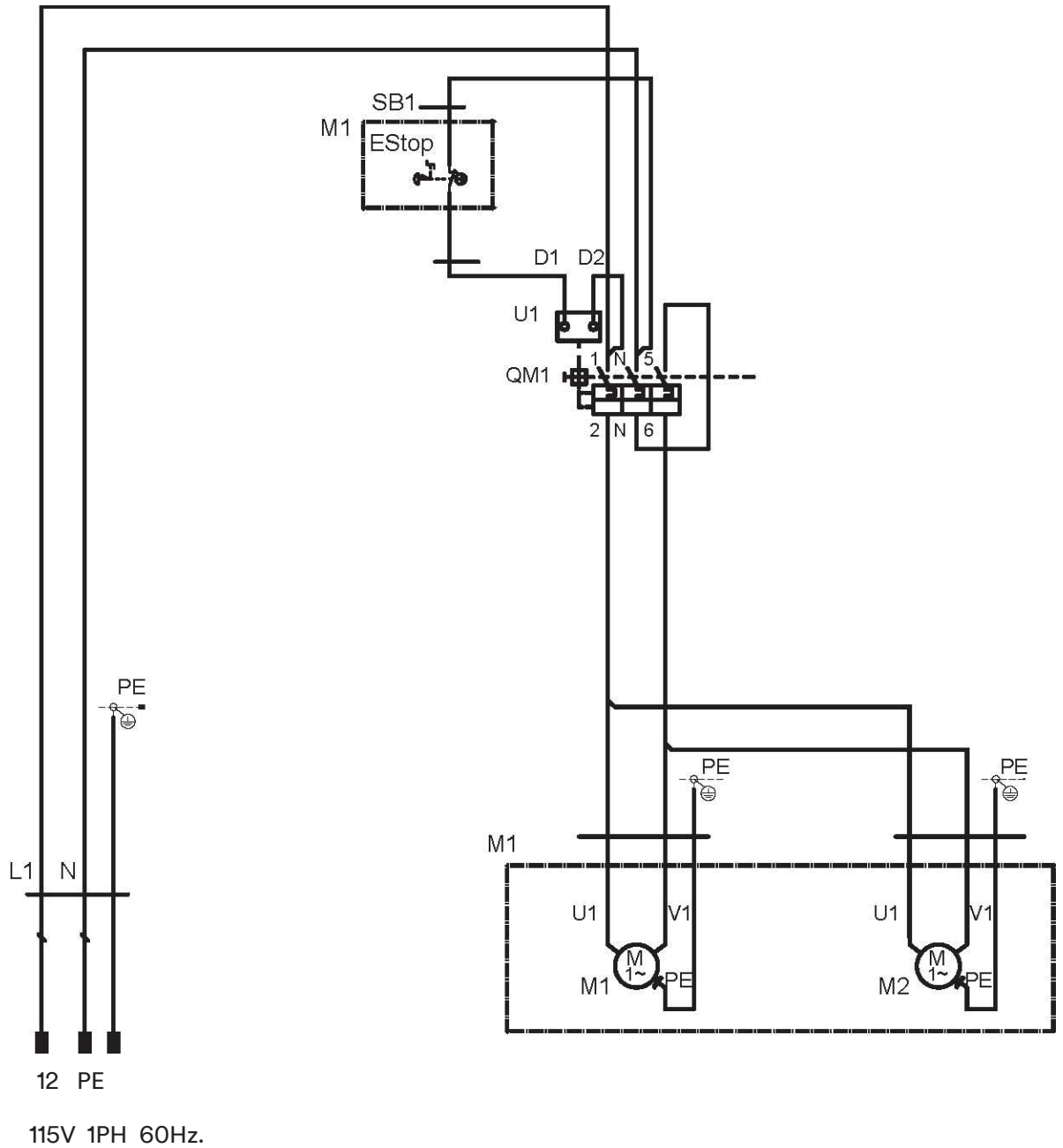
# Technical Diagrams

Electric Diagram - 7000a-7000a3 Pro



# Technical Diagrams *(continued)*

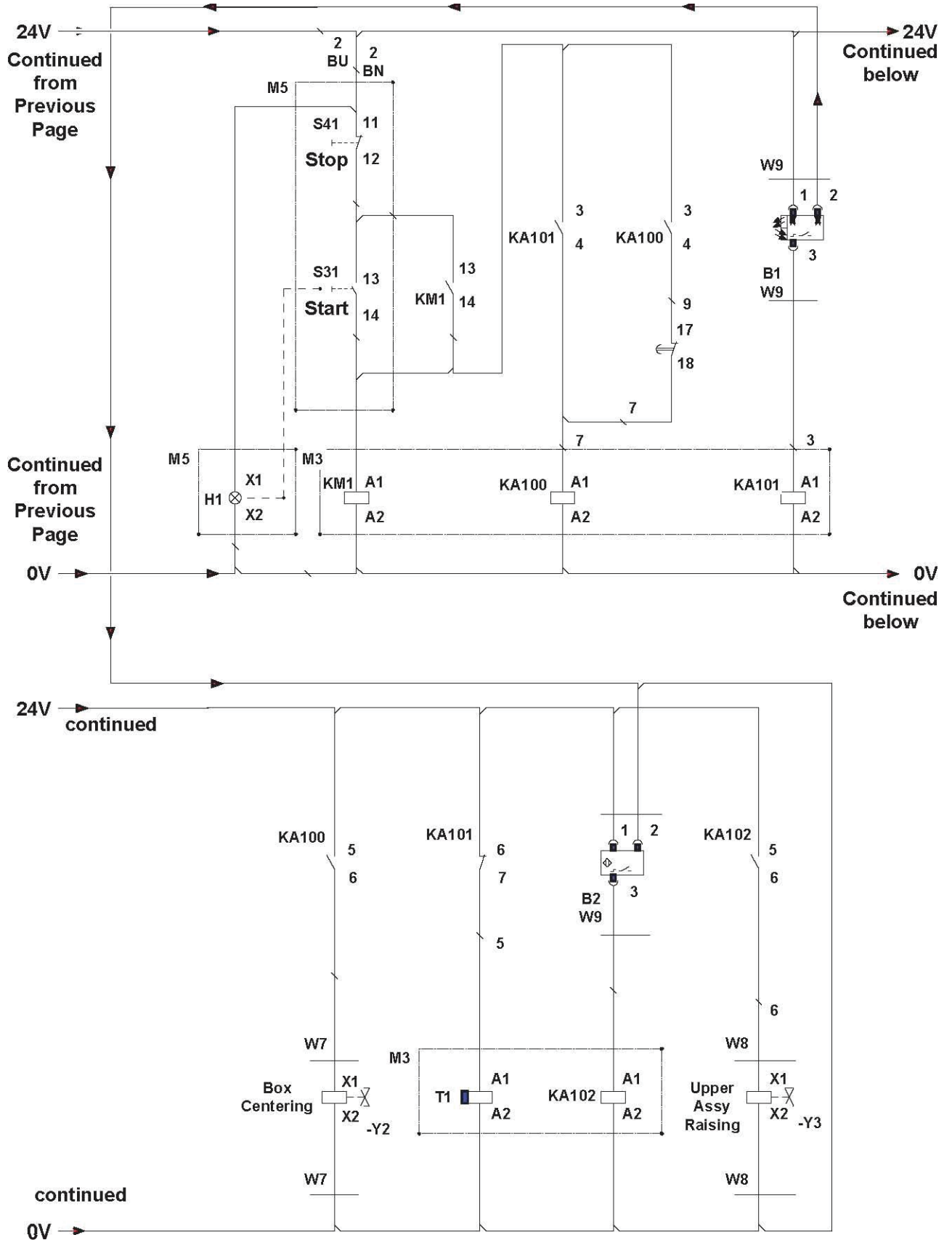
Electric Diagram - 7000r-7000r3 Pro



*(7000r-7000r3 continued on next page)*

# Technical Diagrams *(continued)*

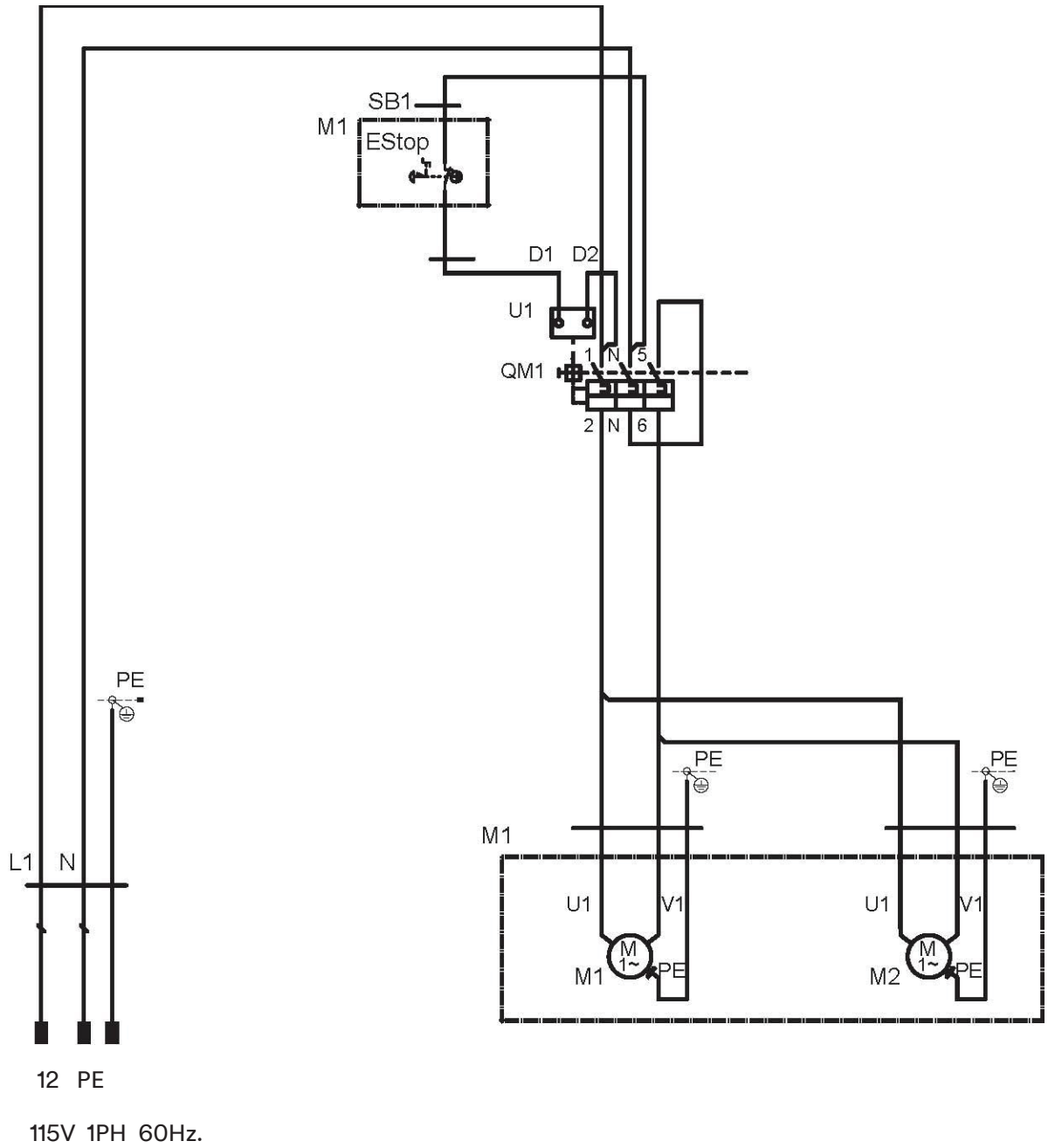
Electric Diagram - 7000r-7000r3 Pro





# Technical Diagrams *(continued)*

Electric Diagram - 8000a-8000a3



# How to Order Replacement Parts

1. Refer to Parts Drawings to find part needed and reference number.
2. Refer to parts list for correct part number.
3. Order by part number, description, attachment part number and name.
4. Replacement parts and part prices available direct from:

**CSPD division of Combi Packaging Systems LLC.**  
**5365 East Center Dr. N.E.**  
**Canton, OH 44721**

**1-800-344-9883**  
**e-mail: CSPD-CSR@combi.com**  
**www.combi.com**

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