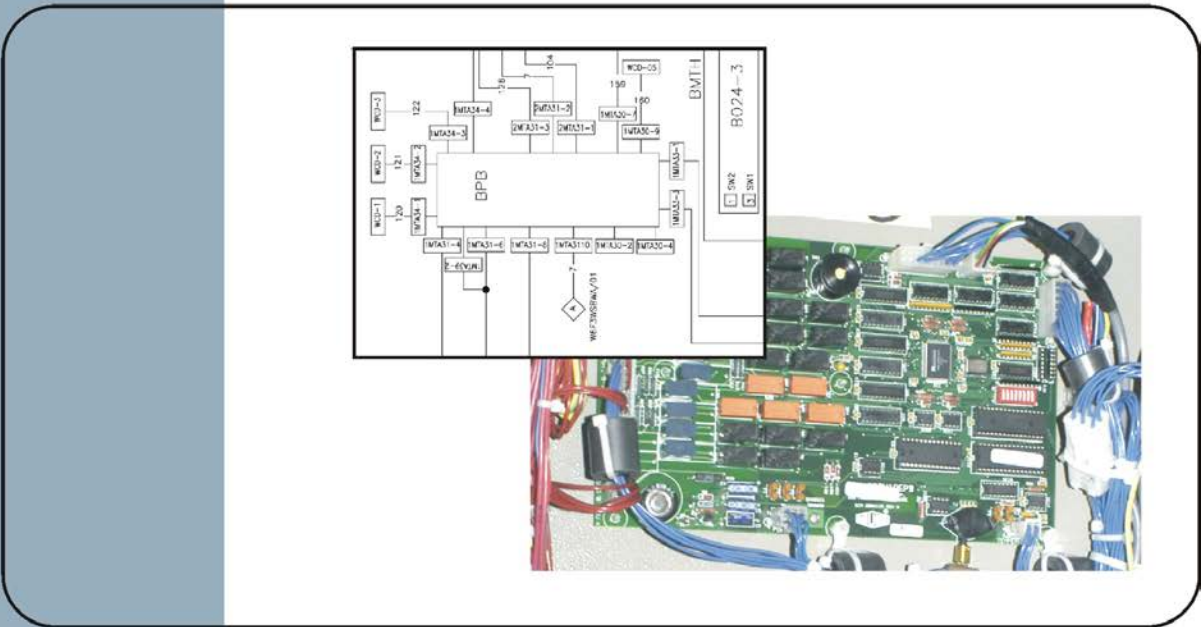




Published Manual Number/ECN: MC7MWFZ1AX/2024473A

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- Document ECNs: NOT latest

# MWF18, 27, 45Z8, 63, 77, 100Z7, Y7, 48040F7Z/D



PELLERIN MILNOR CORPORATION POST OFFICE BOX 400, KENNER, LOUISIANA 70063-0400, U.S.A.



# MC7MWFZ1AX/24473A

<b>1</b>	<b>English / 中国的</b>	
2	Text information / 文本信息	WX2011004CH/2014334A
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4	Repair parts / 维修配件	WX2011001CH/2014334A
5	Parts List / 零件清单	W7X8ZPLC/2023014N
10	Legend of Symbols / 常用符号表	WX2011002CH/2014334A
16	board wiring / 板接线	W7X8ZBWC/2021034A
17	flushing supplies / 冲洗用品	W7X8ZCFC/2023052A
18	12 chemical flushing / 12 化学冲洗	W7X8ZCMC/2013133A
19	extract speed limit control / 甩干极限速度控制	W7X8ZECC/2023014A
20	electric heat / 电加热	W7X8ZEHC/2013133A
21	electric valves / 电磁阀	W7X8ZEVC/2013133A
22	48040F7D electric valves / 电磁阀	W7X8ZEVAC/2013133A
23	hydraulic door / 液压门	W7X8ZHDC/2019034A
24	microprocessor inputs / 处理器输入	W7X8ZIAC/2023052A
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26	48040F7D tilt circuit / 倾斜电路	W7X8ZRHC/2020392A
27	MWF63,77,100,125Y7 tilt circuit / 倾斜电路	W7X8ZRHAC/2020392A
28	MWF27Z8 start circuit / 启动电路	W7X8ZS+_C/2017163A
29	MWF45Z8, 63/77/100Z/Y7 start circuit / 启动电路	W7X8ZS+AC/2019034A
30	48040F7D start circuit / 启动电路	W7X8ZS+BC/2019034B
31	48040F7Z start circuit / 启动电路	W7X8ZS+CC/2020392B
32	MWF18/27Z8 start circuit, no fuse board/ 启动电路	W7X8ZS+DC/2021073A
33	MWF45Z8, MWF63Z7, 77Z/Y7, 100Z/Y7, 125Z/Y7 start circuit-no fuse board/ 启动电路	W7X8ZS+EC/2020392A
34	MWF18/27/45Z8, 63/77ZY7 inverter / 变频器/ inersor	W7X8ZVPAX/2024473A
35	MWF100Z7,48040F7D/Z inverter / 变频器	W7X8ZVPBC/2021332A
<b>37</b>	<b>English/Português</b>	
38	Text information / Informações em texto	WX2011004PT/2014484A
39	Safety / Segurança	WX2011003PT/2014484A
40	Repair parts / Peças de manutenção	WX2011001PT/2014484A
41	Parts List / Lista de peças	W7X8ZPLP/2023014N
46	Legend of Symbols / Legenda dos símbolos	WX2011002PT/2014484A
54	board wiring / Fiação da placa	W7X8ZBWP/2021034A
55	flushing supplies / Materiais para lavagem	W7X8ZCFP/2023052A
56	12 chemical flushing / 12 produtos químicos	W7X8ZCMP/2013133A
57	extract speed limit control / controle de limite da velocidade de extração	W7X8ZECP/2023014A
58	electric heat / aquecimento elétrico	W7X8ZEHP/2013133A

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59	electric valves / Válvulas elétricas	W7X8ZEVP/2013133A
60	48040F7D electric valves / Válvulas elétricas	W7X8ZEVAP/2013133A
61	hydraulic door / porta hidráulica	W7X8ZHDP/2019034A
62	microprocessor inputs / Entradas de microprocessador	W7X8ZIAP/2023052A
63	control transformer / transformador de controle	W7X8ZLVP/2021073A
64	48040F7D tilt circuit / circuito de inclinação	W7X8ZRHP/2020392A
65	MWF63,77,100,125Y7 tilt circuit / circuito de inclinação	W7X8ZRHAP/2020392A
66	MWF27Z8 start circuit / Circuito de partida	W7X8ZS+_P/2017163A
67	MWF45Z8, 63/77/100Z/Y7 start circuit / Circuito de partida	W7X8ZS+AP/2019034A
68	48040F7D start circuit / Circuito de partida	W7X8ZS+BP/2019034B
69	48040F7Z start circuit / Circuito de partida	W7X8ZS+CP/2020392B
70	MWF18/27Z8 start circuit, no fuse board/ Circuito de partida	W7X8ZS+DP/2021073A
71	MWF45Z8, MWF63Z7, 77Z/Y7, 100Z/Y7, 125Z/Y7 start circuit-no fuse board/ Circuito de partida	W7X8ZS+EP/2020392A
72	MWF18/27/45Z8, 63/77ZY7 inverter / 变频器/ inversor	W7X8ZVPAX/2024473A
73	MWF100Z/Y7, MWF125Z/Y7, 48040F7D/Z inverter / inversor	W7X8ZVPBP/2021332A

English / 中国的

1

The text in this Circuit Guide is provided in the following languages:

1. **English**
  2. Chinese
- 

這個電路指南中的文字以下語言提供：

1. 英語
  2. 中文
-



Read the separate safety manual before installing, operating, or servicing

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阅读单独的安全手册在安装，操作或维修前

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## How to Get the Necessary Repair Components

You can get components to repair your machine from the approved supplier where you got this machine. Your supplier will usually have the necessary components in stock. You can also get components from the Milnor® factory.

Tell the supplier the machine model and serial number and this data for each necessary component:

- The component number from this manual
- The component name if known
- The necessary quantity
- The necessary transportation requirements
- The schematic number
- If the component is a motor or electrical control, give the nameplate data from the used component.

To write the Milnor factory:

Pellerin Milnor Corporation  
Post Office Box 400  
Kenner, LA 70063-0400  
United States

Telephone: 504-467-2787  
Fax: 504-469-9777  
Email: [parts@milnor.com](mailto:parts@milnor.com)

---

## 如何获取必要的维修组件

您可以从您购买机器的授权供应商处获取组件以维修您的设备。您的供应商通常会在库存中存有必要的组件。您还可以从美国美罗 (Milnor) 工厂获取组件。

如需获得某一组件，请告知供应商对应的机器型号、序列号和以下数据：

- 本手册所示的组件编号
- 组件名称，如果已知
- 所需要的数量
- 必要的运输要求
- 电路图编号
- 如果组件是电动机或电气控制元件，请提供原组件的铭牌数据。

### 美国美罗公司

邮箱 400  
肯纳，路易斯安那州 70063-0400  
美国

电话： 504-467-2787  
传真： 504-469-9777  
电子邮件： [parts@milnor.com](mailto:parts@milnor.com)



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W7X8ZPLC/2023014N

AC			
ACBA	< 7-2022	W7X8ZEC	EACCLRM3
ACBA	> 7-2022	W7X8ZEC	EACCLRM8
BA			
BAFR		W7X8ZS+	08BHRCT
BAFR		W7X8ZS+A	08BHRCT
BAUP		W7X8ZBW	08BHA9D3T
BBAD-1		W7X8ZEC	08BSBADCTE
BIO		W7X8ZBW	08BHF120AT
BSP		W7X8ZBW	08BNDSRAT
CD			
CDDH		W7X8ZHD	09CF001071
CL			
CLA		W7X8ZS+A	09CL2C-C71
CLA		W7X8ZS+B	09CL2C-C71
CLA		W7X8ZS+C	09CL2C-C71
CLA-CHOKE		W7X8ZS+A	10YCLCHOKE
CLA-CHOKE		W7X8ZS+B	10YCLCHOKE
CLA-CHOKE		W7X8ZS+C	10YCLCHOKE
CP			
CPSP		W7X8ZBW	09RPE013Q
CR			
CRA		W7X8ZS+B	09C024D71
CRA		W7X8ZS+C	09C024D71
CRAD		W7X8ZVPB	09C024D71
CRC1		W7X8ZCM	09C024D71
CRC2		W7X8ZCM	09C024D71
CRC3		W7X8ZCM	09C024D71
CRC4		W7X8ZCM	09C024D71
CRC5		W7X8ZCM	09C024D71
CRC6		W7X8ZCM	09C024D71
CRD		W7X8ZS+	09C024D71
CRD		W7X8ZS+A	09C024D71
CRD		W7X8ZS+B	09C024D71
CRD		W7X8ZS+C	09C024D71
CRDB		W7X8ZS+A	09C024D71
CRDB		W7X8ZS+B	09C024D71
CRDL		W7X8ZS+	09C024D71
CRDL		W7X8ZS+A	09C024D71
CRDL		W7X8ZS+B	09C024D71
CRDL		W7X8ZS+C	09C024D71
CRDOA		W7X8ZRH	09C024D71
CRDOA		W7X8ZRHA	09C024D71
CRDRA		W7X8ZSRH	09C024D71
CRE		W7X8ZS+	09C024D71
CREI		W7X8ZS+B	09C024D71
CREI		W7X8ZS+C	09C024D71
CRFDL		W7X8ZRH	09C024D71
CRFDL		W7X8ZRH	09C024D71
CRFDR		W7X8ZRH	09C024D71

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CRFDR		W7X8ZSRH	09C024D71
CRRDL		W7X8ZRH	09C024D71
CRRDL		W7X8ZRHA	09C024D71
CRRDL		W7X8ZSRH	09C024D71
CRRDR		W7X8ZRH	09C024D71
CRRDR		W7X8ZRHA	09C024D71
CRRDR		W7X8ZSRH	09C024D71
CS			
CSDO		W7X8ZHD	09MC08C371
CSVS	MWF27Z8	W7X8ZS+	98CMCR3004
CSVS	MWF45Z8	W7X8ZS+A	98CMCR3601
CSVS	MWF63-77 <350V	W7X8ZS+A	98CMCR4201
CSVS	MWF63-77 >350V	W7X8ZS+A	98CMCR4202
CSVS		W7X8ZS+B	09MC08E371
CSVS		W7X8ZS+C	09MC08E371
CSVS	MWF45,63,77	W7X8ZVPA	09MC08G371
CSVS	48040>350V	W7X8ZVPB	09MC08G371
CSVS	48040<350V	W7X8ZVPB	09MC08N371
EF			
EF1		W7X8ZS+	09FF002AMG
EF2		W7X8ZS+	09FF002AMG
EF2		W7X8ZS+A	09FF002AMG
EFP1	>250V	W7X8ZLV	09FF003AWV
EFP2	>250V	W7X8ZLV	09FF003AWV
EM			
EMDL		W7X8ZS+	09K063C24
EP1		W7X8ZS+A	09FF002AMG
ES			
ESPS		W7X8ZBW	08PSS3401T
ET			
ETVS	MWF27	W7X8ZVPA	09FTD0120T
ETVS		W7X8ZVPA	09FTD0121T
ETVS	MWF27 LV	W7X8ZVPA	98CMCR3005
ETVS	MWF45 <350V	W7X8ZVPA	98CMCR3602
ETVS	MWF45 >350V	W7X8ZVPA	98CMCR3603
ETVS	MWF63,77 <350V	W7X8ZVPA	98CMCR4203
ETVS	MWF63, 77 >350V	W7X8ZVPA	98CMCR4204
EX			
EXHV		W7X8ZLV	MESSAGE EW
EXHV-1		W7X8ZLV	98CMCR0902
EXHV-2		W7X8ZLV	09UA025AAB
EXHV-3		W7X8ZLV	09U251AB71
MOV		W7X8ZBW	08MOV0240
MT			
MTVP		W7X8ZS+A	13AF100A71
MTVP		W7X8ZS+B	13AF100A71
MTVP		W7X8ZS+C	13AF100A71
MTWE		W7X8ZVPA	MESSAGE SO
MTWE		W7X8ZVPB	MESSAGE SO
MV			

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MVDBR		W7X8ZVPA	09MV100RET
MVDBR		W7X8ZVPB	09MV050REV
MVFLT		W7X8ZVPA	09MVFILTR1
MVFLT		W7X8ZVPB	09MVFILTR1
MVINR-H		W7X8ZVPA	09MX100A96
MVINR-H		W7X8ZVPA	09MX250A96
MVINR-H		W7X8ZVPB	09MX400A96
MVINR-L		W7X8ZVPA	09MX100A74
MVINR-L		W7X8ZVPA	09MX200A74
MVINR-L		W7X8ZVPB	09MX600A96
MVINV-H		W7X8ZVPA	09MWB00996
MVINV-H		W7X8ZVPA	09MWB01896
MVINV-H		W7X8ZVPA	09MWB02496
MVINV-H		W7X8ZVPB	09MWC03996
MVINV-L		W7X8ZVPA	09MWB01774
MVINV-L		W7X8ZVPA	09MWB03374
MVINV-L		W7X8ZVPA	09MWB04774
MVINV-L		W7X8ZVPB	09MWC07574
PX			
PXDO		W7X8ZRH	09RPS18CAS
PXDO		W7X8ZRHA	09RPS18CAS
PXFDL		W7X8ZRH	09RPS12AAS
PXFDL		W7X8ZRHA	09RPS12AAS
PXFDR		W7X8ZRH	09RPS12AAS
PXRDL		W7X8ZRH	09RPS12AAS
PXRDR		W7X8ZRH	09RPS12AAS
PXRDR		W7X8ZRHA	09RPS12AAS
RS01		W7X8ZBW	09AR16R25
SH			
SH01		W7X8ZLV	09N050
SHCW		W7X8ZVPB	09N405M320
SHDO		W7X8ZIA	09N405PB10
SHDO		W7X8ZS+	09N405PB10
SHDO		W7X8ZS+A	09N405PB10
SHDO		W7X8ZS+B	09N405PB10
SHDO		W7X8ZS+C	09N405PB10
SHES		W7X8ZS+	09N508A
SHES		W7X8ZS+A	09N508A
SHES		W7X8ZS+B	09N508A
SHES		W7X8ZS+C	09N508A
SHFR		W7X8ZRH	09N405M320
SHMF		W7X8ZEV	09N405PB10
SHMF		W7X8ZEVA	09N405PB10
SHSMA		W7X8ZS+	09N405M220
SHSMA		W7X8ZS+A	09N405M220
SHSMA		W7X8ZS+B	09N405M220
SHSMA		W7X8ZS+C	09N405M220
SHU		W7X8ZRH	09N405S320
SHU		W7X8ZRHA	09N405S320
SHWD		W7X8ZIA	09N405M210

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W7X8ZPLC/2023014N

SHWDO		W7X8ZHD	09N405S320
SHWDO		W7X8ZS+B	09N405S320
SK			
SKPR		W7X8ZIA	09N127C
SM			
SMD		W7X8ZS+	02 04177
SMD		W7X8ZS+A	09R014A
SMD		W7X8ZS+B	09R014A
SMD		W7X8ZS+C	09R014A
SMDE		W7X8ZS+A	09R012
SMDE		W7X8ZS+B	09R012
SMDE		W7X8ZS+C	09R012
SME		W7X8ZS+	09R010D
SMEX		W7X8ZIA	09R008ASTD
SMWVB		W7X8ZIA	SAE03 151
SP			
SPA		W7X8ZS+A	09N082A
SPBP		W7X8ZIA	09N082B05
SPBS		W7X8ZIA	09N082A
SPD		W7X8ZS+A	09N082B10
SPD		W7X8ZS+B	09N082B10
SPD		W7X8ZS+C	09N082B10
ST			
STDB		W7X8ZS+	30RA175T
STDB		W7X8ZS+A	30RA175T
STDB		W7X8ZS+B	30RA175T
STDB		W7X8ZS+C	30RA175T
TP1		W7X8ZBW	30R0043P
VE			
VEBP		W7X8ZS+A	96TBC2BA71
VEBP		W7X8ZS+B	96TBC2BA71
VEBP		W7X8ZS+C	96TBC2BA71
VEBR		W7X8ZS+A	96R301B71
VEBR		W7X8ZS+B	96R301B71
VEBR		W7X8ZS+C	96R301B71
VEC1		W7X8ZCF	--
VEC2		W7X8ZCF	--
VEC3		W7X8ZCF	--
VEC4		W7X8ZCF	--
VEC5		W7X8ZCF	--
VEC6		W7X8ZCF	--
VEC7		W7X8ZCF	--
VEC8		W7X8ZCF	--
VECD		W7X8ZEV	96P057A71
VECD		W7X8ZEV	96P056A71
VECD		W7X8ZEV	96P152A71
VECD		W7X8ZEV	96R301B71
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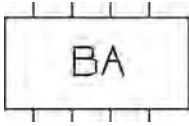
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W7X8ZPLC/2023014N

VEDL		W7X8ZS+A	98CMCR3001
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VEDL		W7X8ZS+C	96R301B71
VEDR		W7X8ZEV	96D350A71
VEDR		W7X8ZEV	96R301B71
VEDR		W7X8ZEVA	96R301B71
VEDRR		W7X8ZEV	96D350B71
VEDRR		W7X8ZEV	96R301B71
VEDRR		W7X8ZEVA	96R301B71
VEF		W7X8ZRH	96R301B71
VEFL		W7X8ZEV	96P057A71
VEFL		W7X8ZEV	96P056A71
VEFL		W7X8ZEVA	96R301B71
VEFL		W7X8ZEVA	96R301B71
VEFLS		W7X8ZEV	96P013G71
VEFLS		W7X8ZEVA	96P013G71
VEHDC		W7X8ZHD	96RH706E71
VEHDL		W7X8ZS+B	96R301B71
VEHDO		W7X8ZHD	96RH706E71
VEPPO		W7X8ZS+A	98CMCR3002
VEPPO		W7X8ZS+B	96R302B71
VEPPO		W7X8ZS+C	96R302B71
VESTM		W7X8ZEV	98CMCR3001
VESTM		W7X8ZEV	96R301B71
VESTM		W7X8ZEVA	96R301B71
VEU		W7X8ZRH	96R301B71
VEU		W7X8ZRHA	96R301B71
VEWC		W7X8ZEV	96P057A71
VEWC		W7X8ZEV	98CMCR3001
VEWC		W7X8ZEV	98CMCR3001
VEWC		W7X8ZEV	96R301B71
VEWC		W7X8ZEV	98CMCR3001
VEWC		W7X8ZEV	98CMCR3001
VEWC		W7X8ZEVA	96R301B71
VEWH		W7X8ZEV	96P057A71
VEWH		W7X8ZEV	96R301B71
VEWH		W7X8ZEVA	96R301B71
VEWVX		W7X8ZEV	96P057A71
VEWVX		W7X8ZEV	96P056A71
VEWVX		W7X8ZEV	96P152A71
VEWVX		W7X8ZEV	96R301B71
VEWVX		W7X8ZEVA	96R301B71

Legend of Symbols

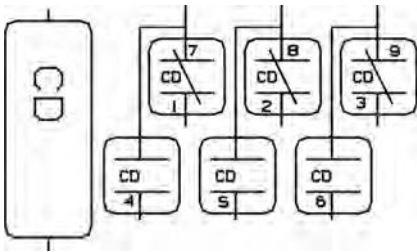
常用符号表



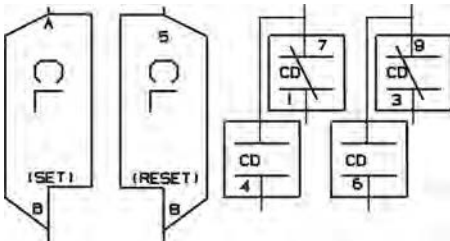
**BA = Printed Circuit Board**  
印刷电路板



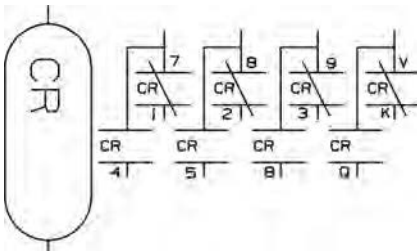
**CB = Circuit Breaker**  
断路器



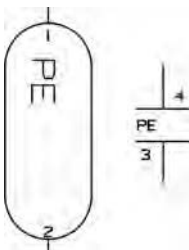
**CD = Time Delay Relay**  
延时继电器



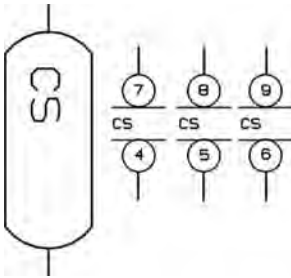
**CL = Latch Relay**  
锁存继电器



**CR = Relay**  
继电器



**CP = Photo-Eye**  
光眼



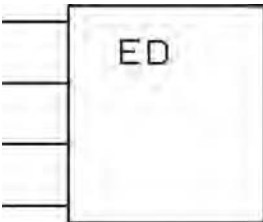
**CS = Contactor/Motor Starter**  
接触器/电动机起动器



**EB = Audible Signal**  
声音信号



**EC = Clutch**  
离合器



**ED = Electronic Display**  
电子显示屏



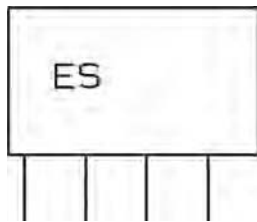
**EF = Fuse**  
保险丝



**EL = Light**  
灯



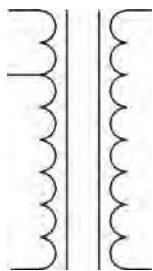
**EM = Electro Magnatic Solenoid**  
电磁线圈



**ES = Electronic Power Supply**  
电子电源



**ET = Thermal Overload**  
热过载



**EX = Transformer**  
变压器



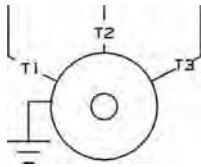
---

**KB = Keyboard/Keypad**  
键盘/键盘

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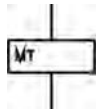
**MN = Electronic Monitor**  
电子显示监控器

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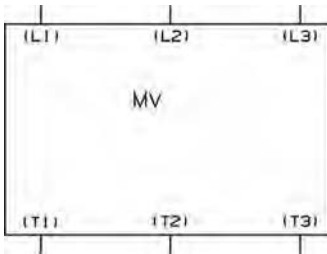
**MR = Motor**  
马达

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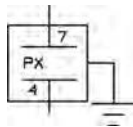
**MT = Board Connector**  
板连接器

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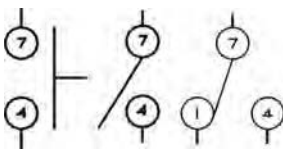
**MV = Motor Inverter**  
电机变频器逆变器

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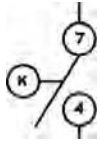
**PX = Proximity Switch**  
接近开关

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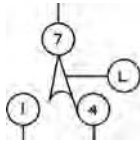


**SH = Switch Hand Operated**  
切换手动操作

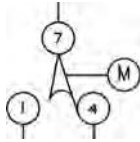
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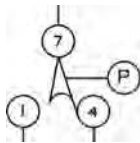
**SK = Switch Key Operated**  
切换通过按键操作



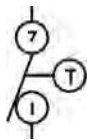
**SL = Switch Level Operated**  
液位开关



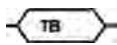
**SM = Switch Mechanically Operated**  
机械操作开关



**SP = Switch Pressure Operated**  
开关压力



**ST = Switch Temperature Operated**  
温度开关



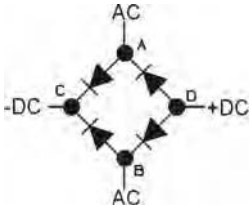
**TB = Terminal Block**  
接线端子



**VE = Valve Electrically Operated**  
电磁阀

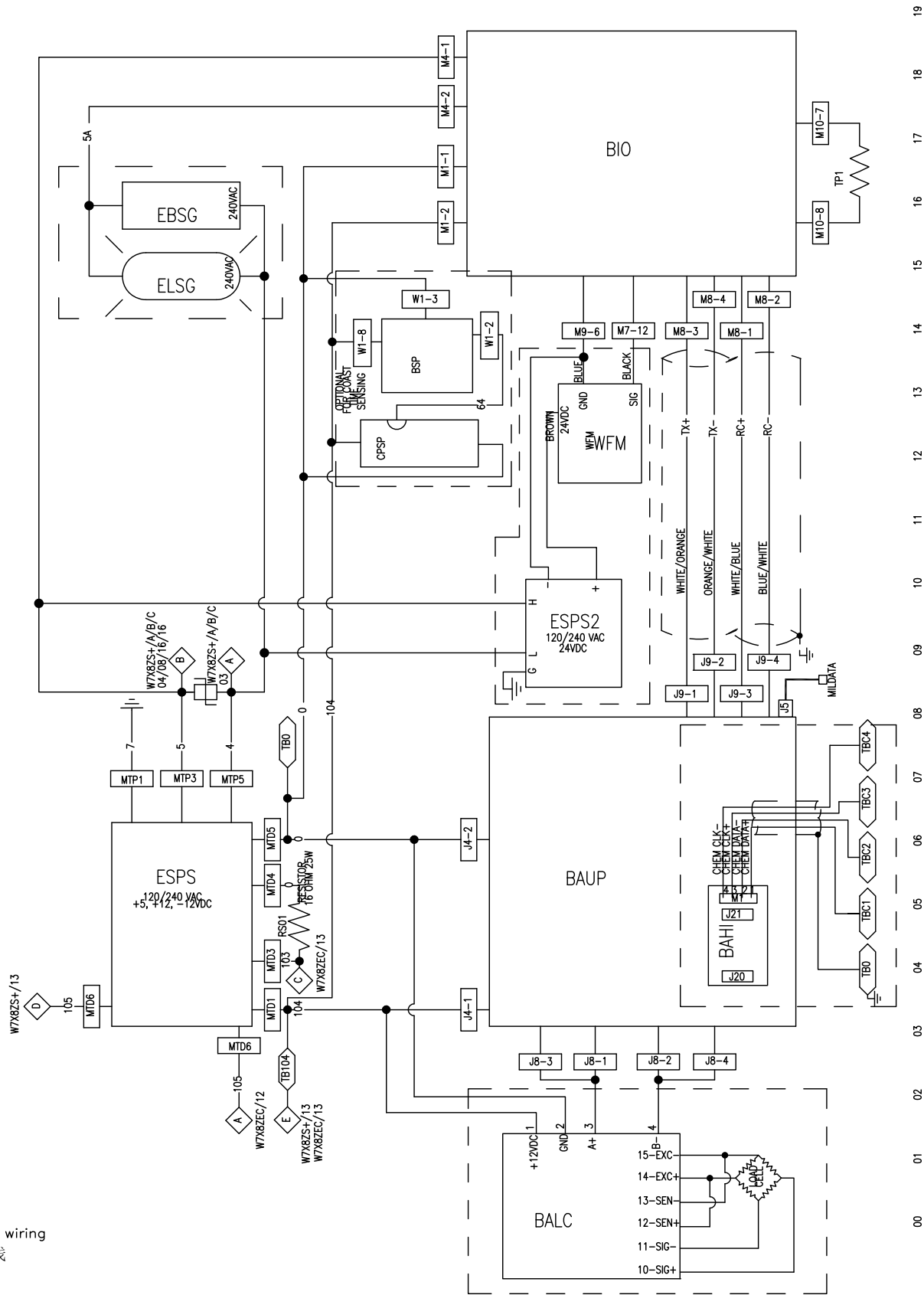


**WC = Wiring Connector**  
接线连接器



**ZF = Rectifier**  
整流器

board wiring  
板接线

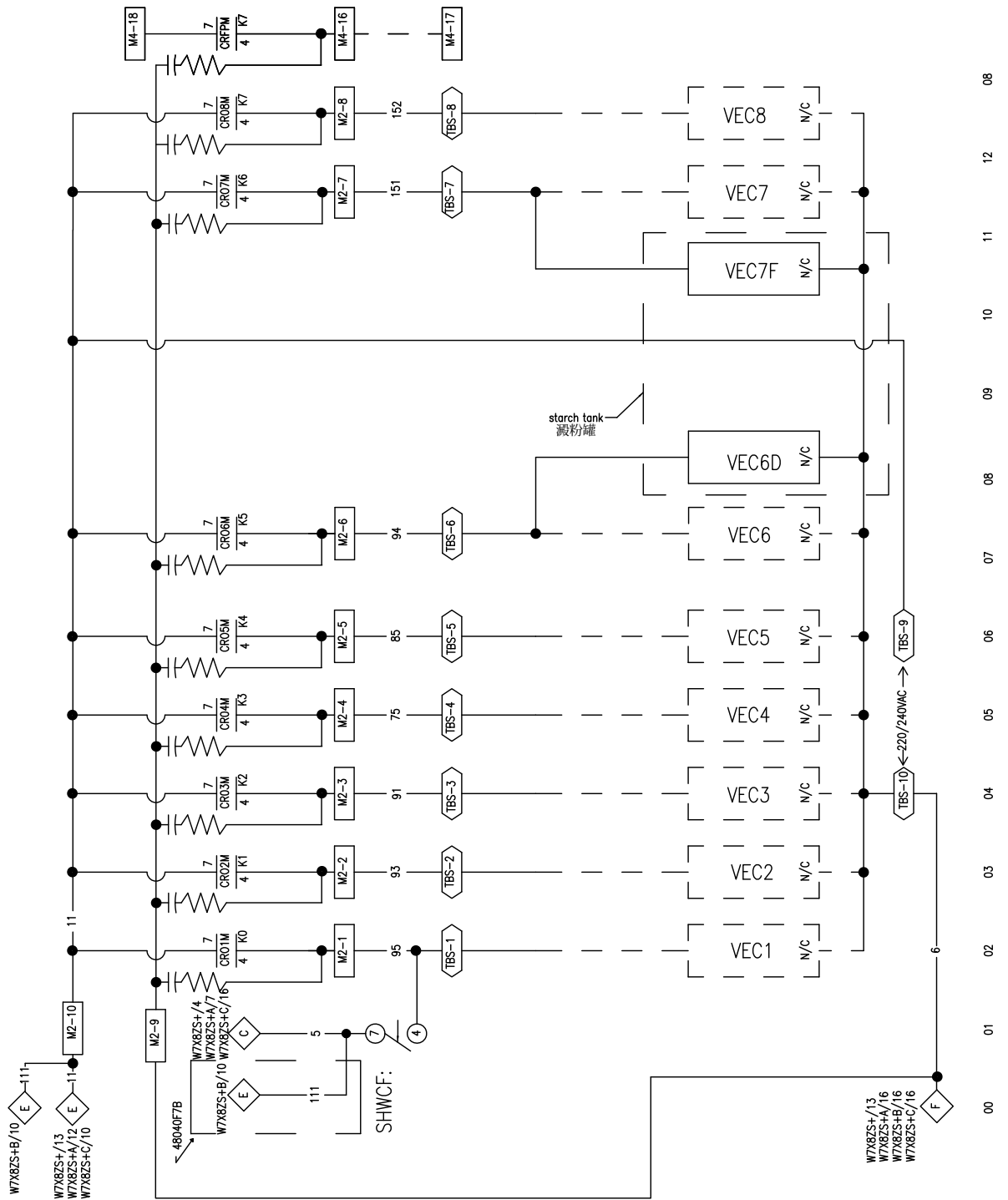


# W7X8ZBWC

PELLERIN MILNOR CORPORATION

2021034A

flushing supplies  
 冲洗接口

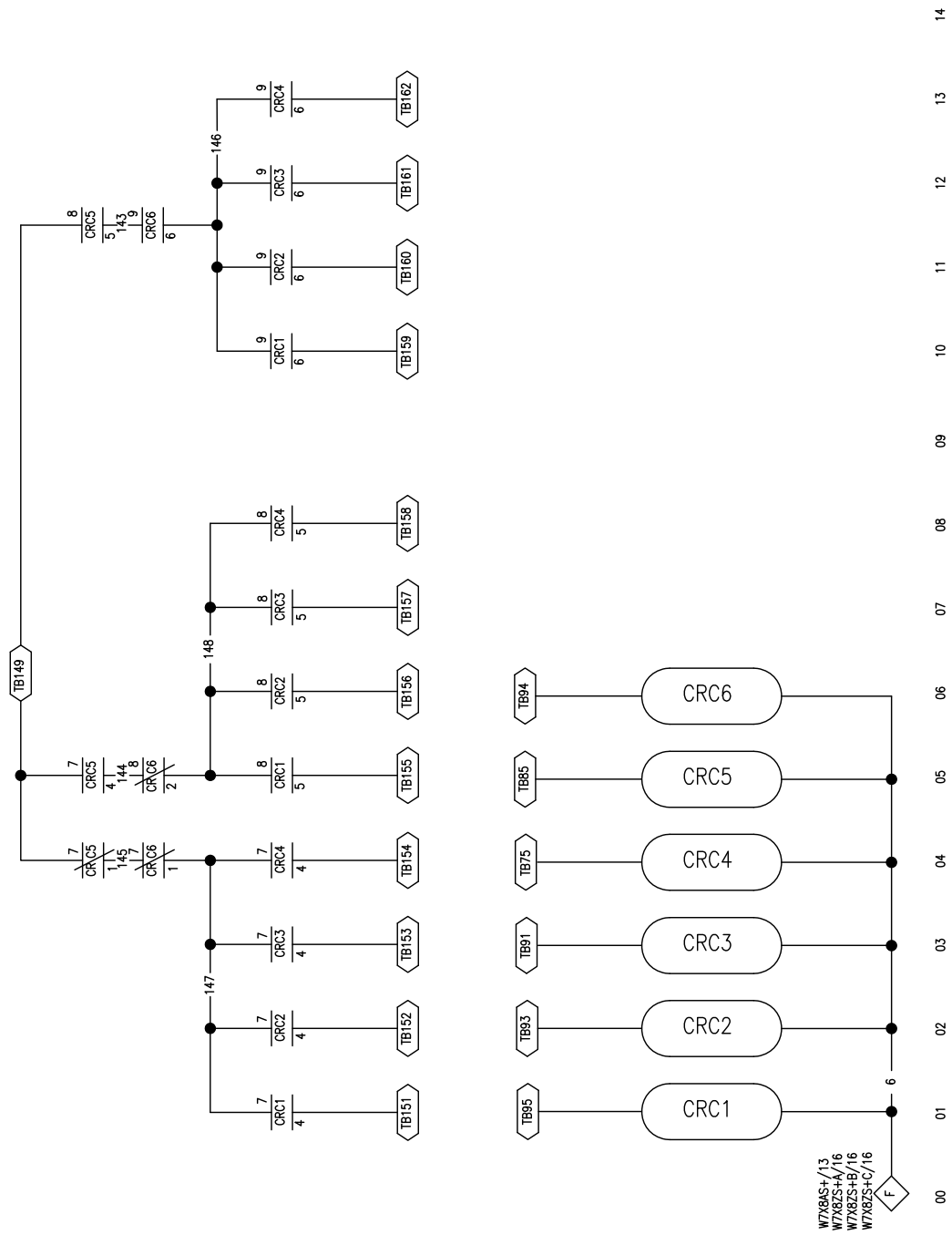


# W7X8ZCFC

PELLERIN MILNOR CORPORATION

2023052A

12 flushing supplies  
12个冲洗接口



# W7X8ZCMC

PELLERIN MILNOR CORPORATION

2013133A

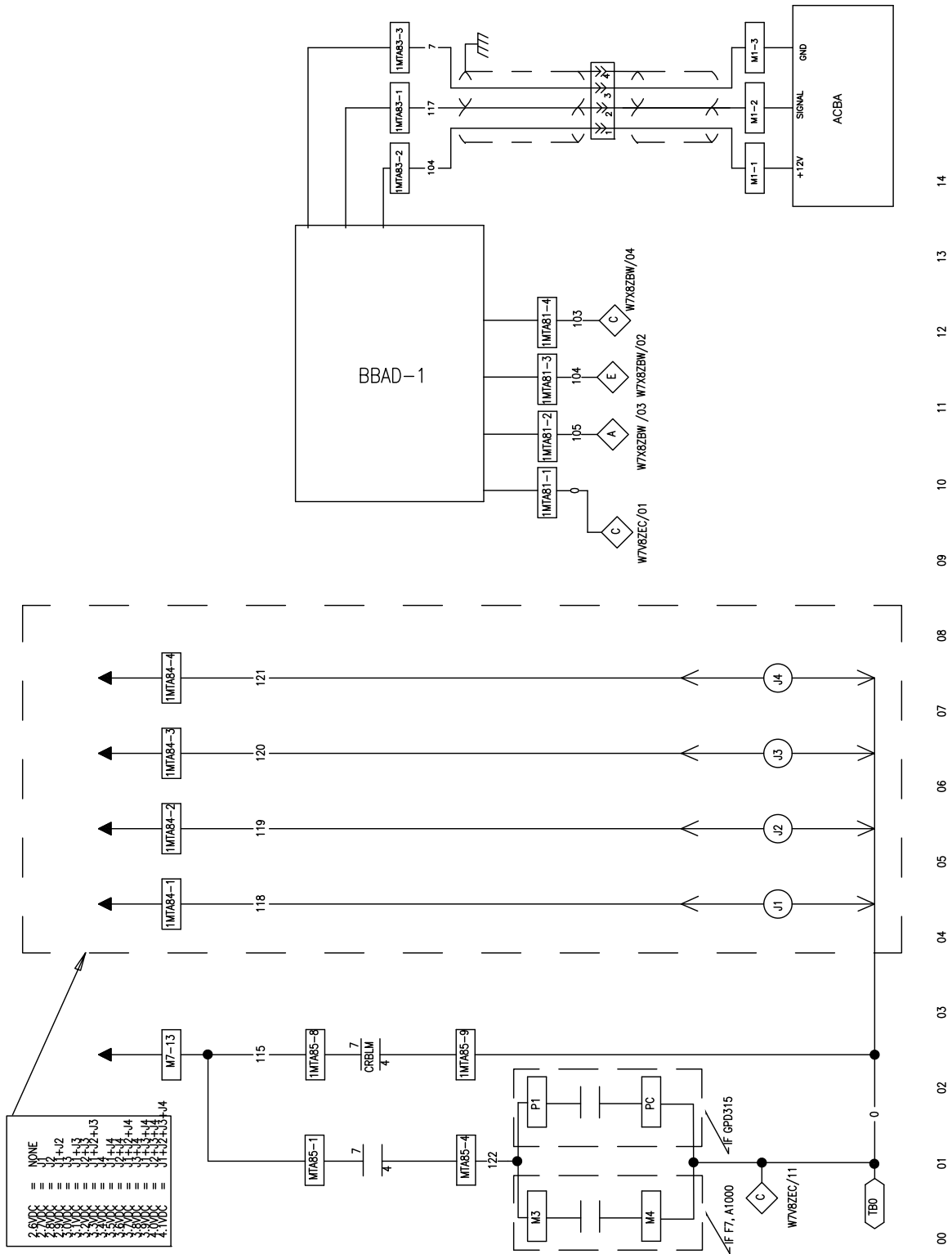
extract speed limit control  
电干极限速度控制

# W7X8ZEC C

PELLERIN MILNOR CORPORATION

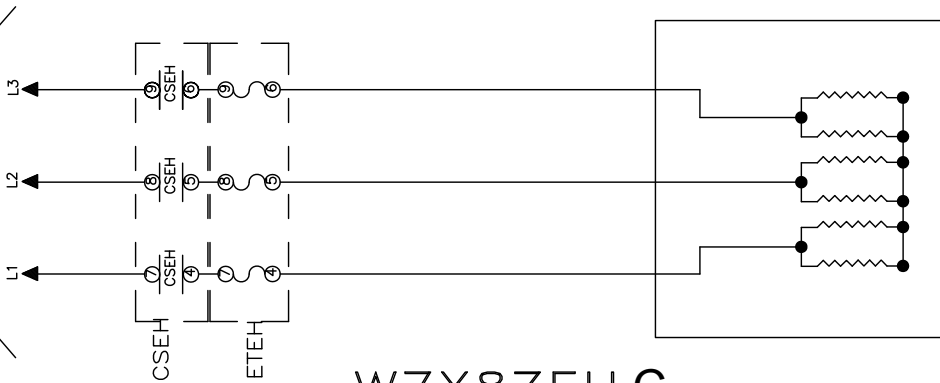
2023014A

jumpers added to adjust for variations in accelerometers

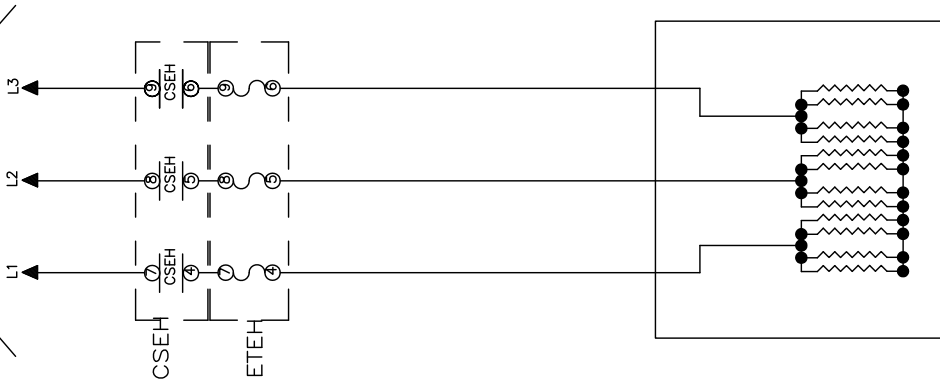


electric heat  
电加热

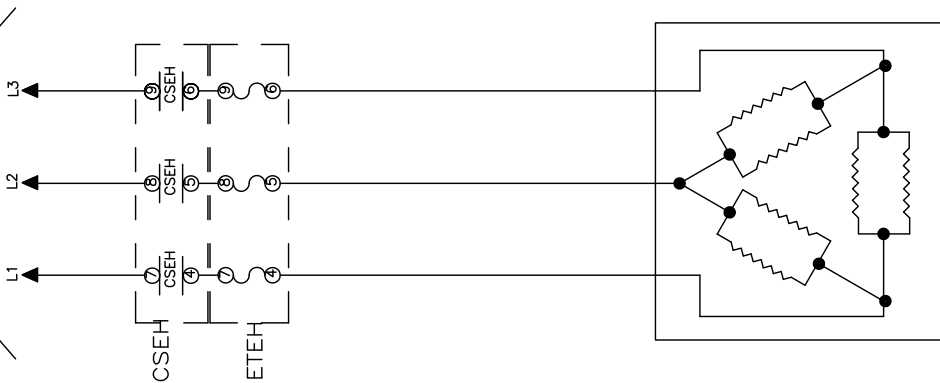
380-415V/3PH/50-60HZ 18KW



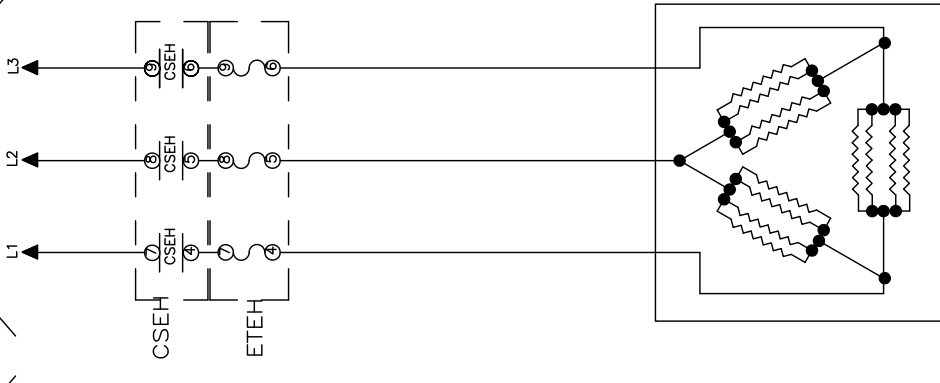
380-415V/3PH/50-60HZ 36KW



208-240V/3PH/50-60HZ 18KW



208-240V/3PH/50-60HZ 36KW



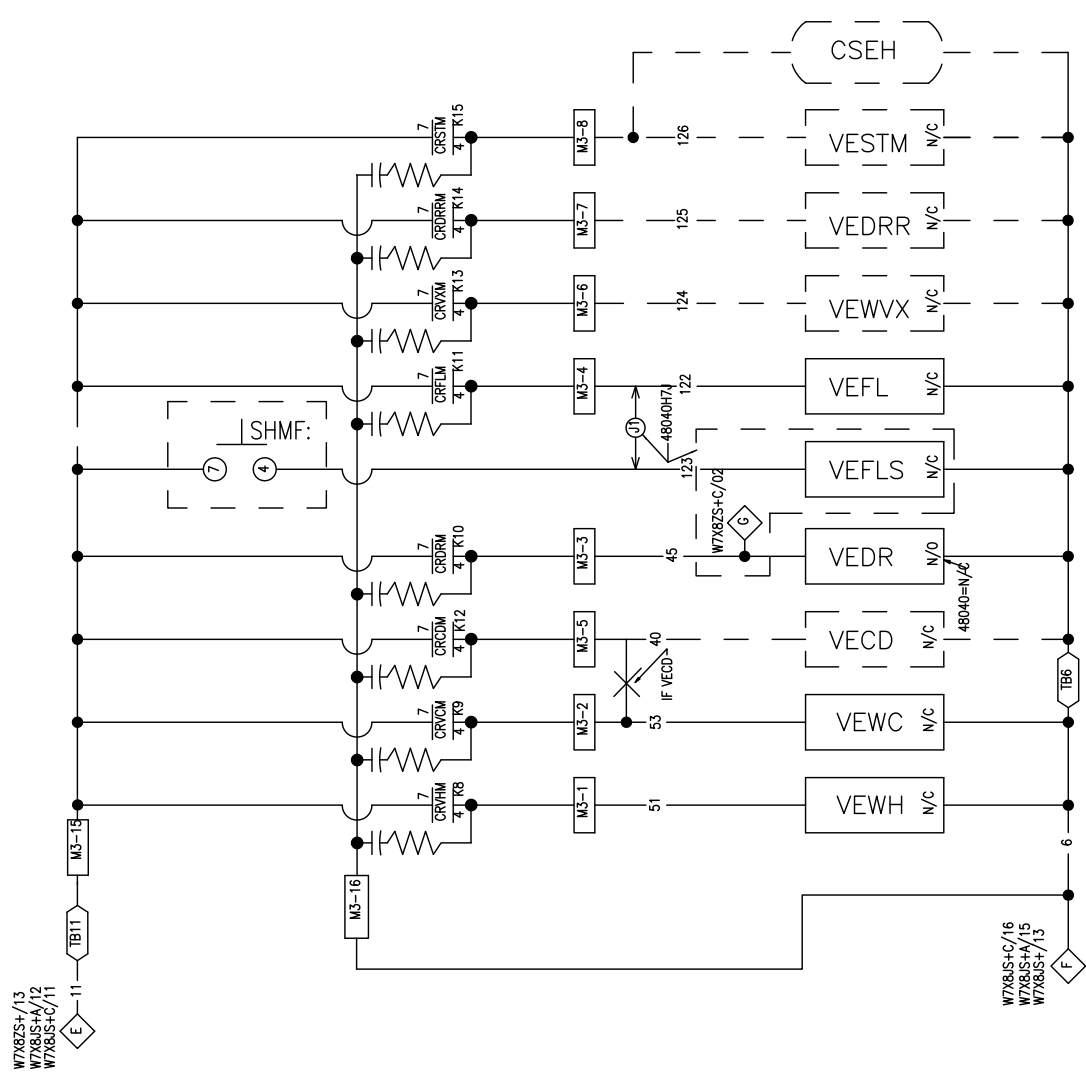
# W7X8ZEH C

PELLERIN MILNOR CORPORATION

2013133A

00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18



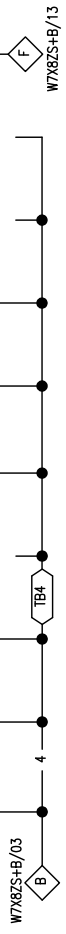
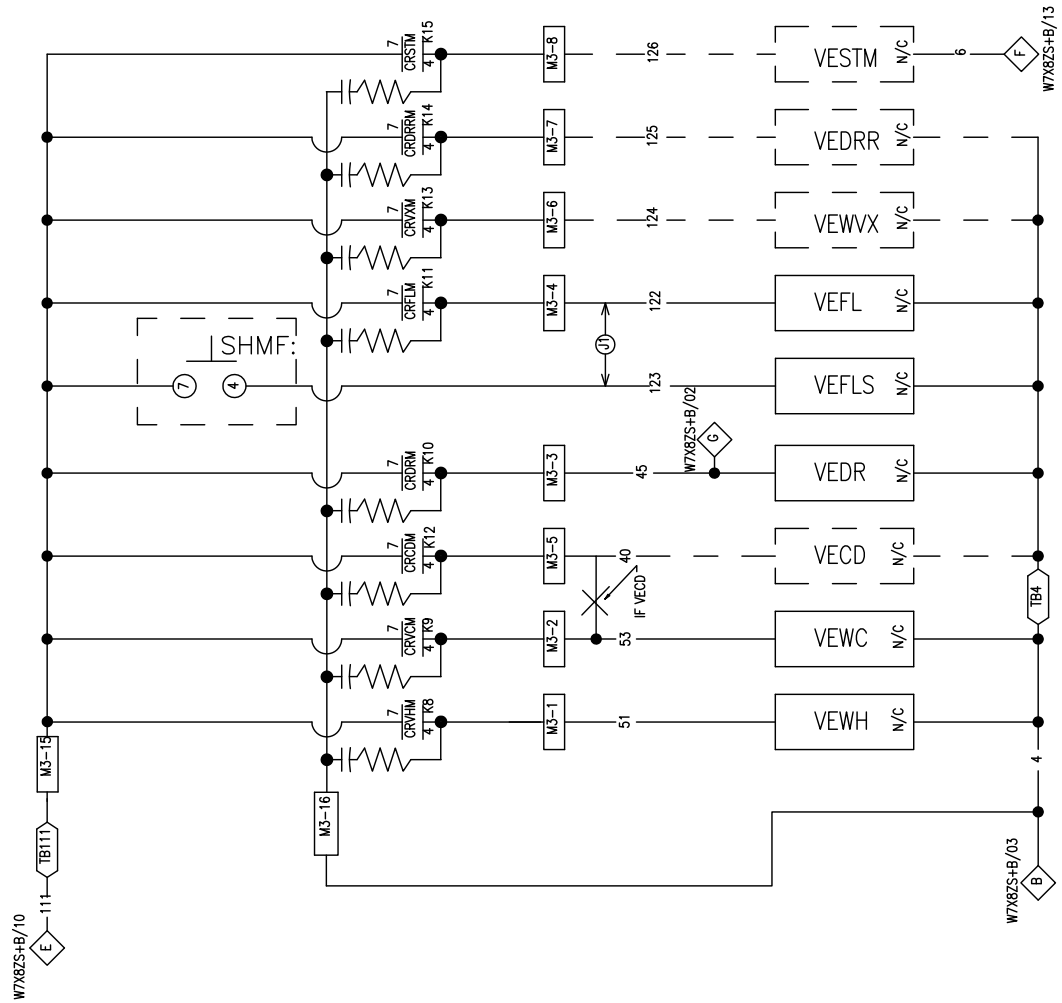


MWF27Z8, 45Z8, 63Z7, & 77Z7  
electric valves  
电磁阀

# W7X8ZEV C

PELLERIN MILNOR CORPORATION

2013133A



48040F7D  
electric valves  
电磁阀

# W7X8ZEVAC

PELLERIN MILNOR CORPORATION

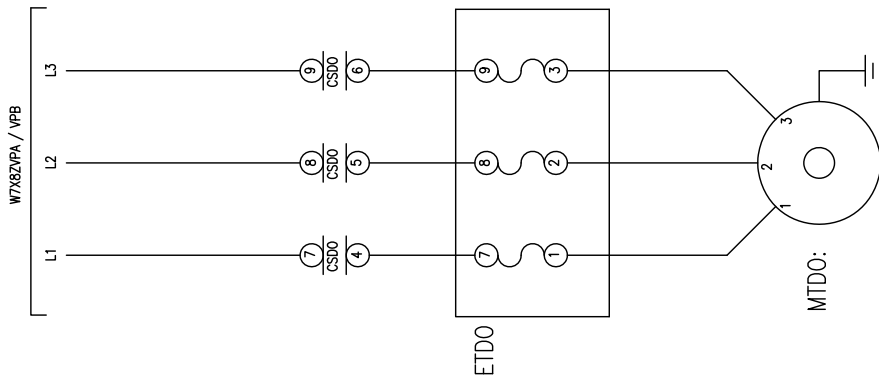
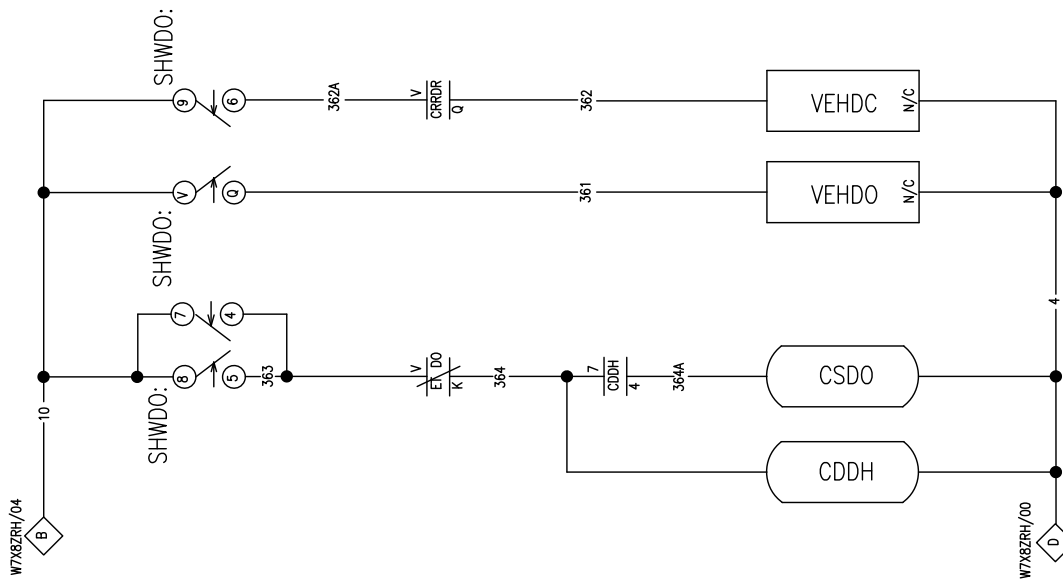
2014253A

hydraulic door  
液压门

# W7X8ZHDC

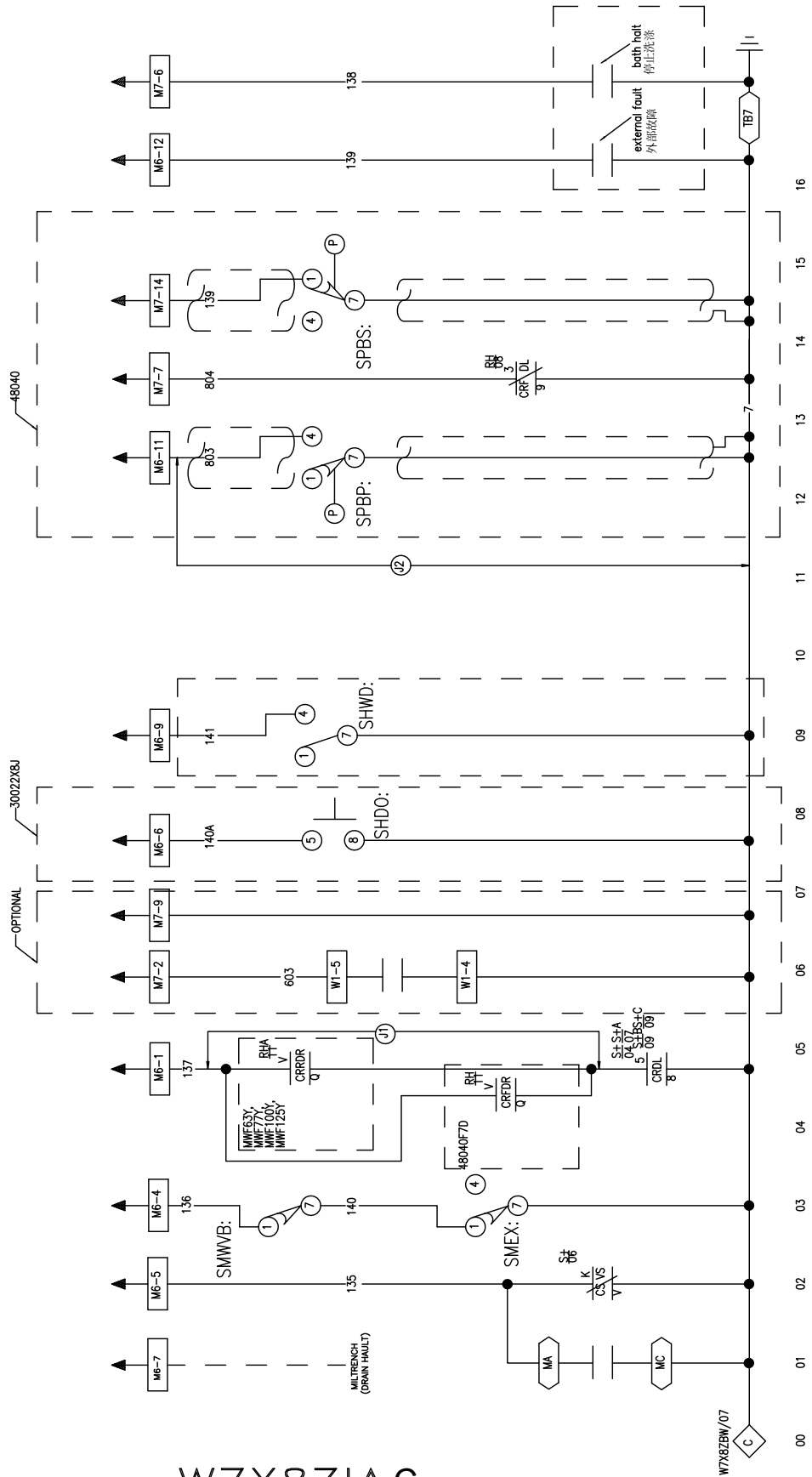
PELLERIN MILNOR CORPORATION

2019034A



00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16

microprocessor inputs  
处理器输入

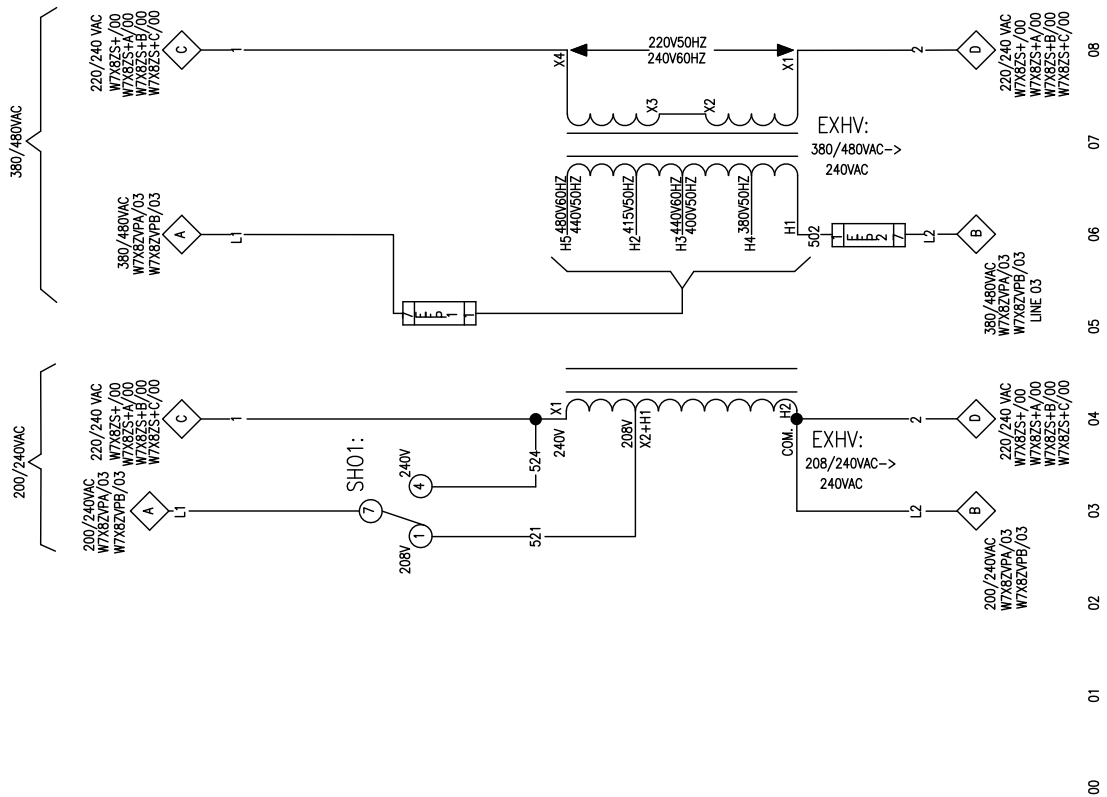
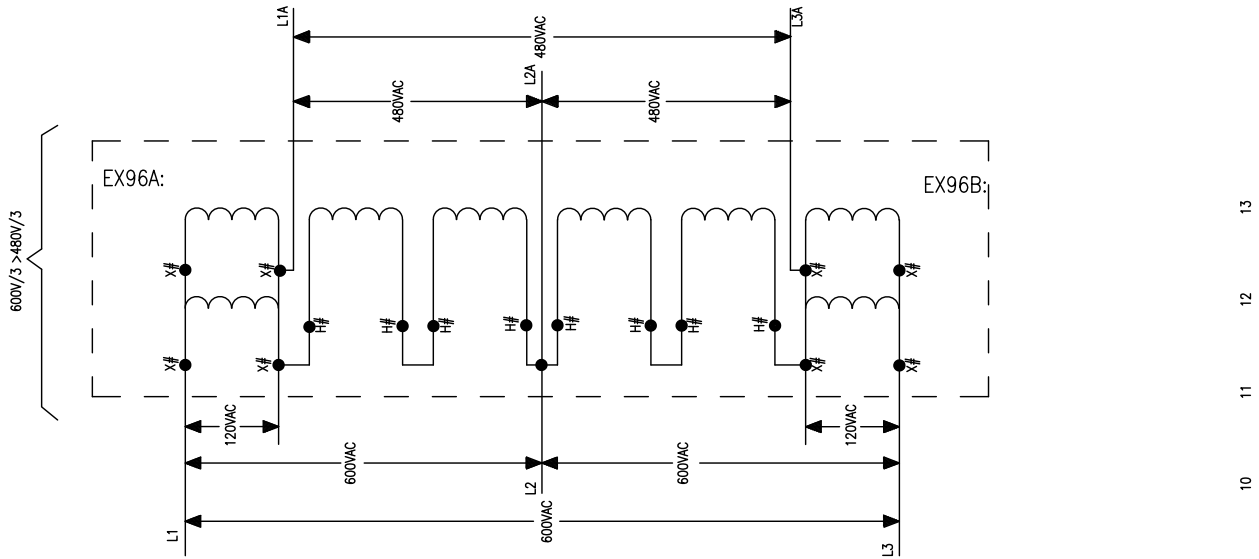


# W7X8Z1A C

PELLERIN MILNOR CORPORATION

2023052A

REFER TO THE CONNECTION DIAGRAM OF THE TRANSFORMERS FOR THE CORRESPONDING WIRE NUMBERS  
 有关相应的线号, 请参阅变压器的连接图

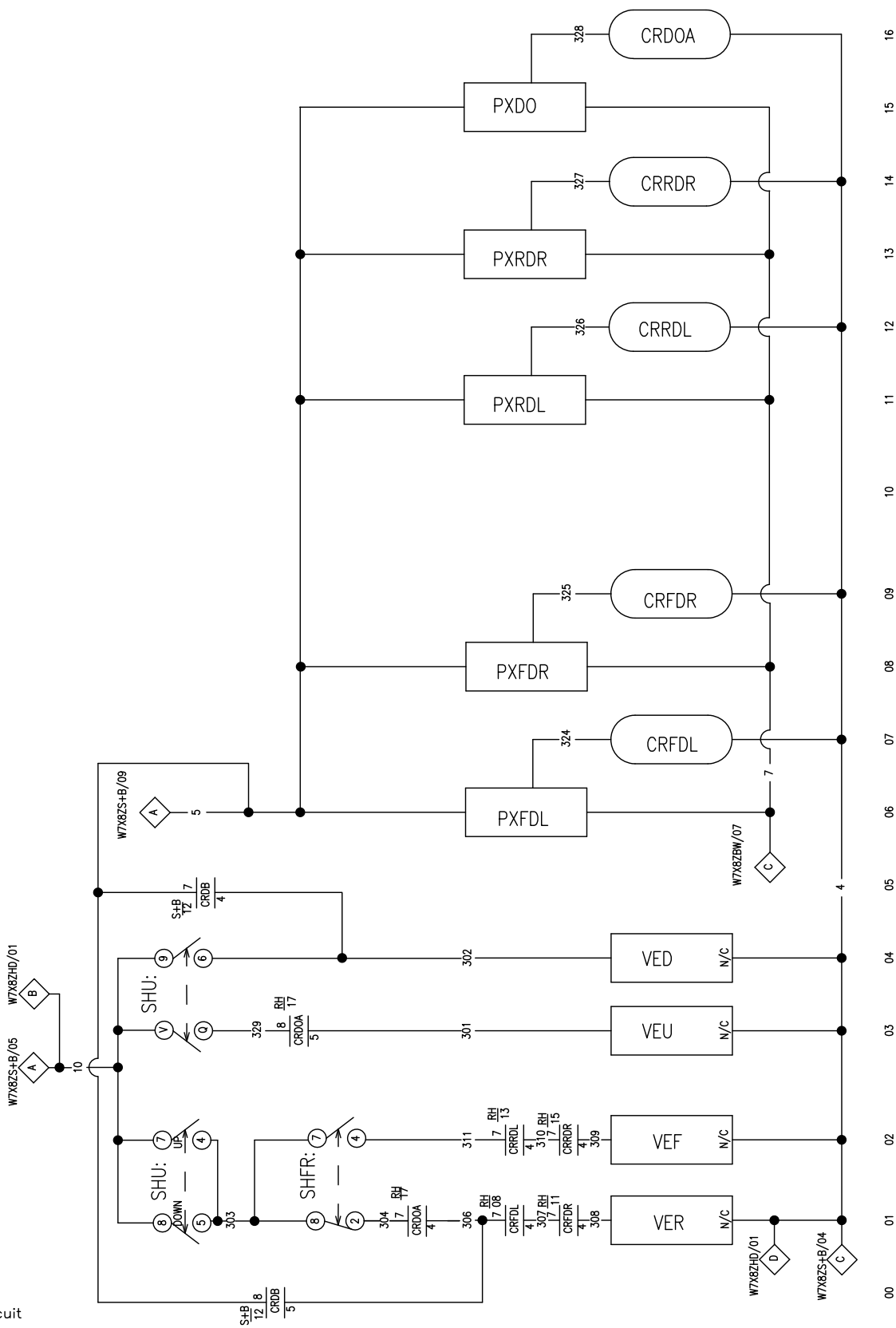


control transformer  
 控制变压器

**W7X8ZLV C**  
 PELLERIN MILNOR CORPORATION

2021073A

48040F7D tilt circuit  
倾斜电路

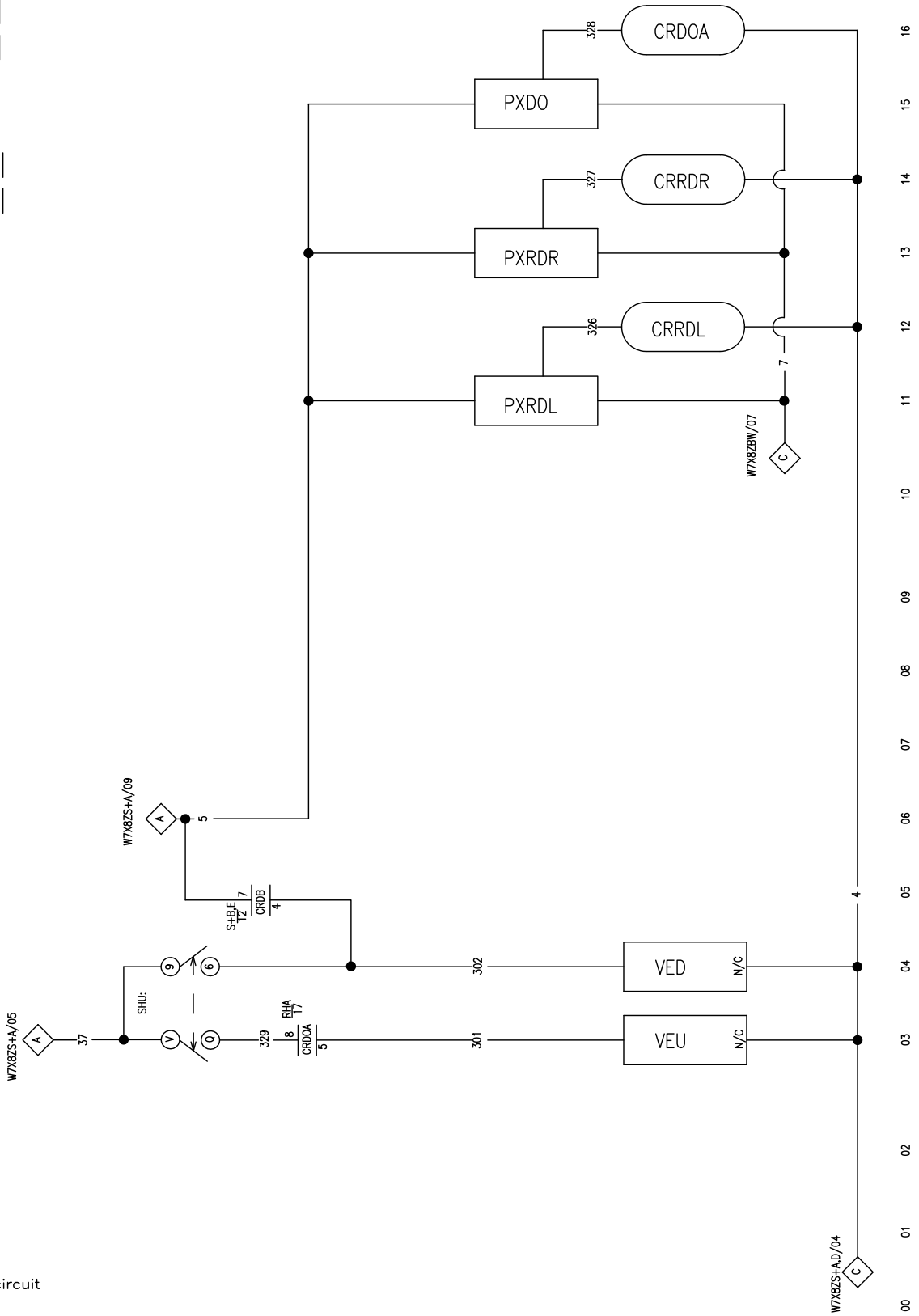


# W7X8ZRHC

PELLERIN MILNOR CORPORATION

2020392A

MWF63-125Y7 tilt circuit  
倾斜电路



# W7X8ZRHAC

PELLERIN MILNOR CORPORATION

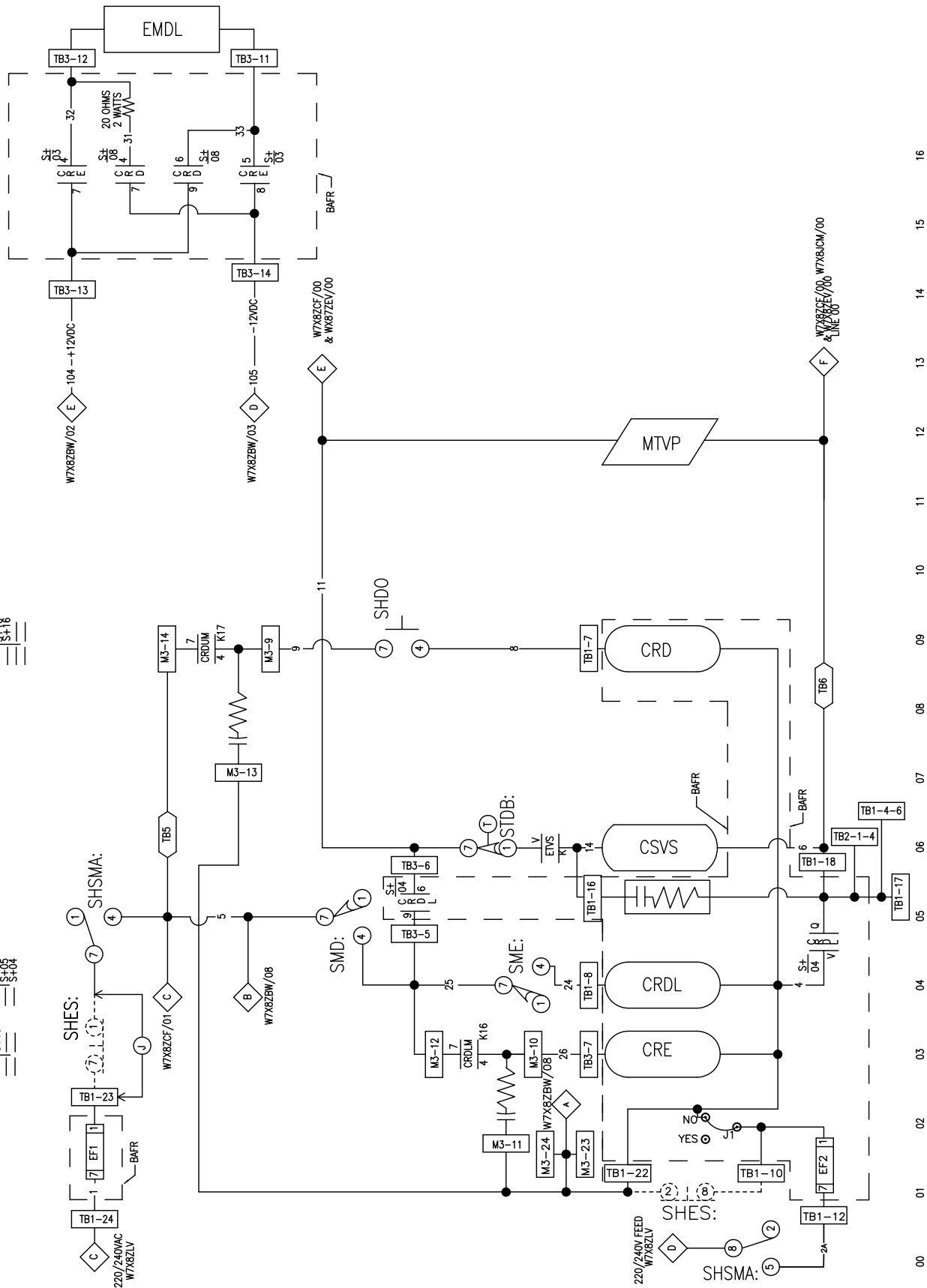
2020392A

MWF2728  
start circuit  
启动电路

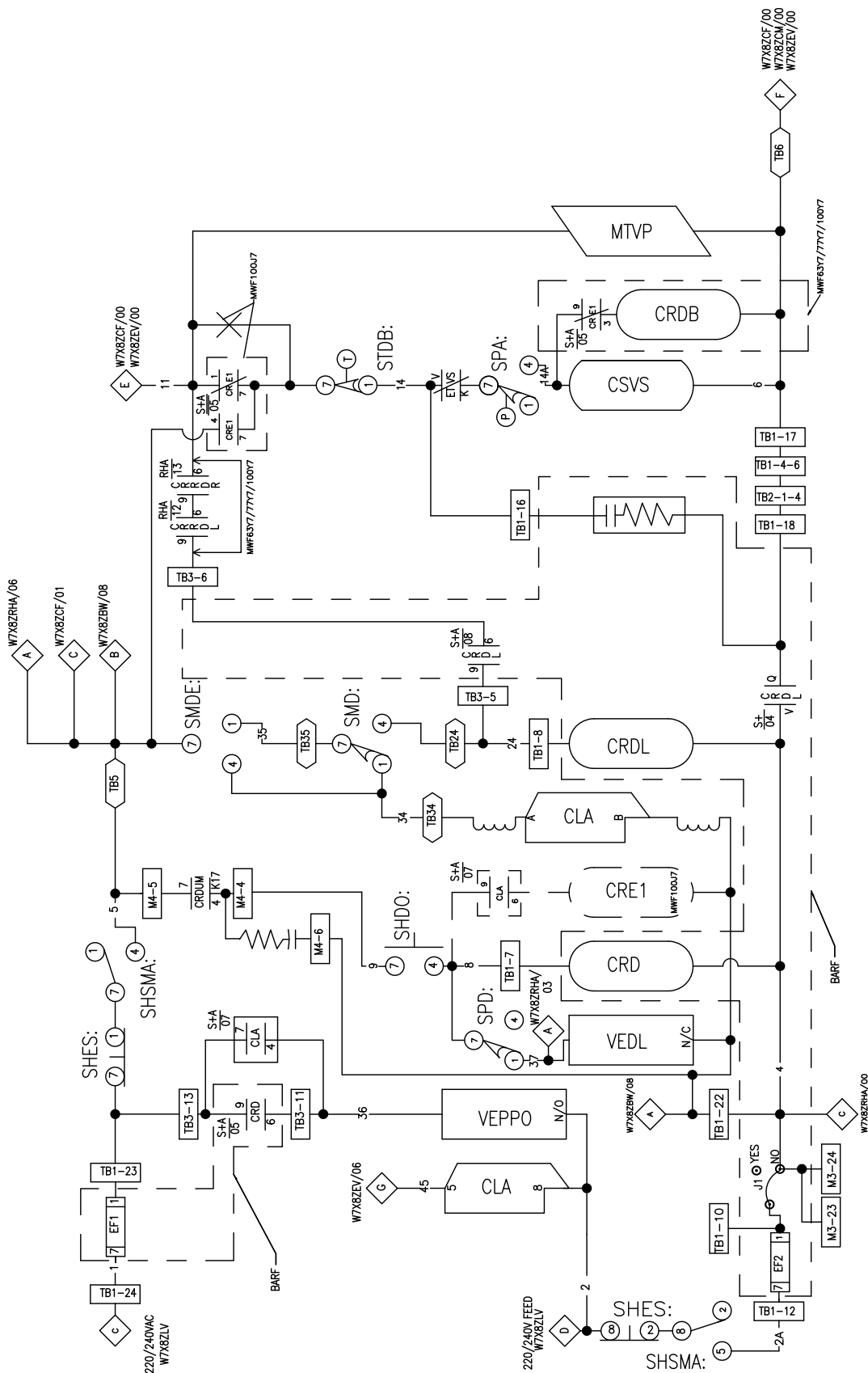
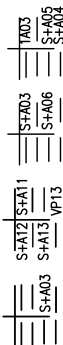
# W7X8ZS+C

PELLERIN MILNOR CORPORATION

2017163A







00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16

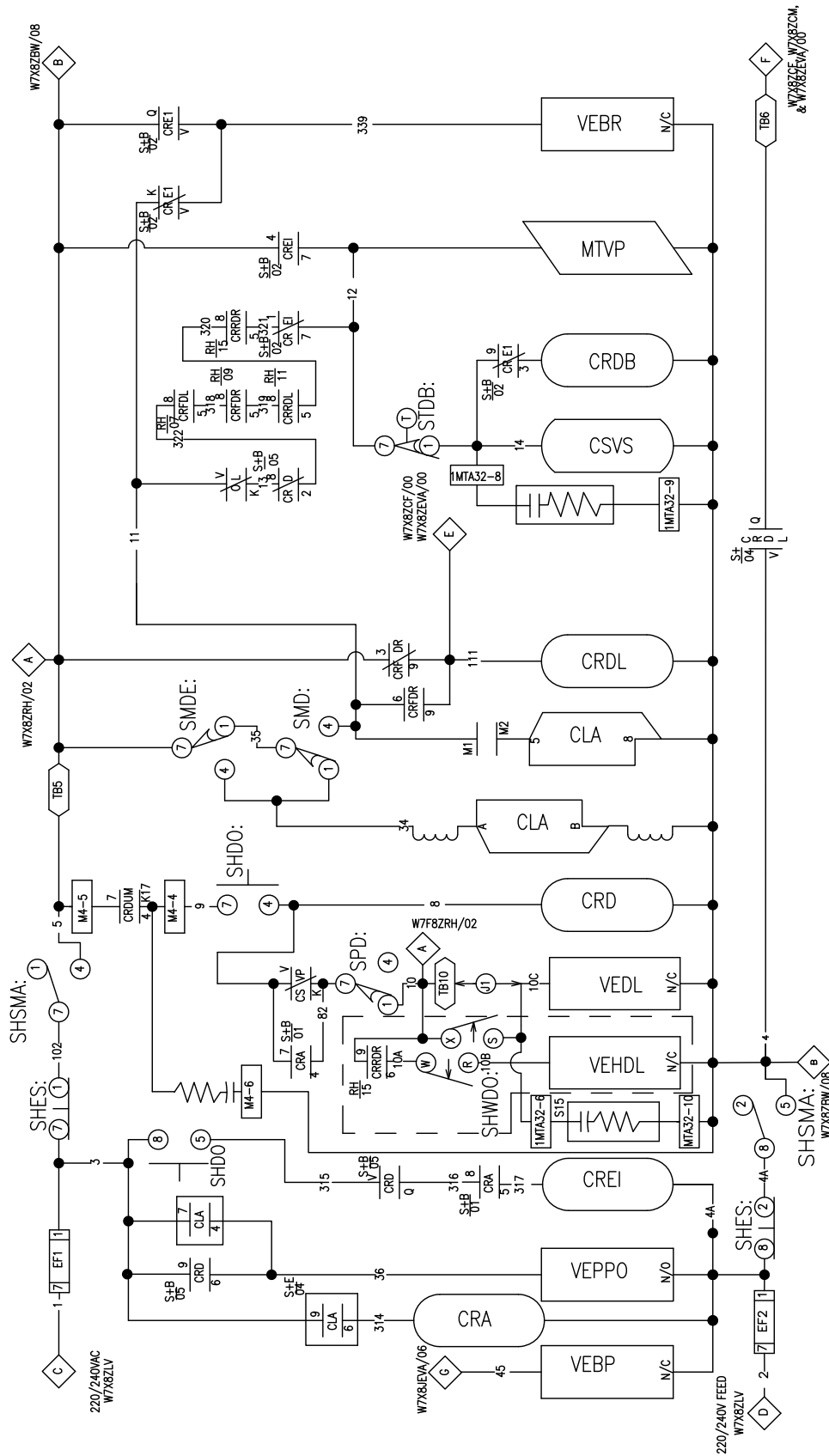
MWF45Z8, 63Z7, 77Z7, 100Z/Y7  
start circuit  
启动电路

# W7X8ZS+AC

PELLERIN MILNOR CORPORATION

2019034A

48040F7D  
start circuit  
启动电路



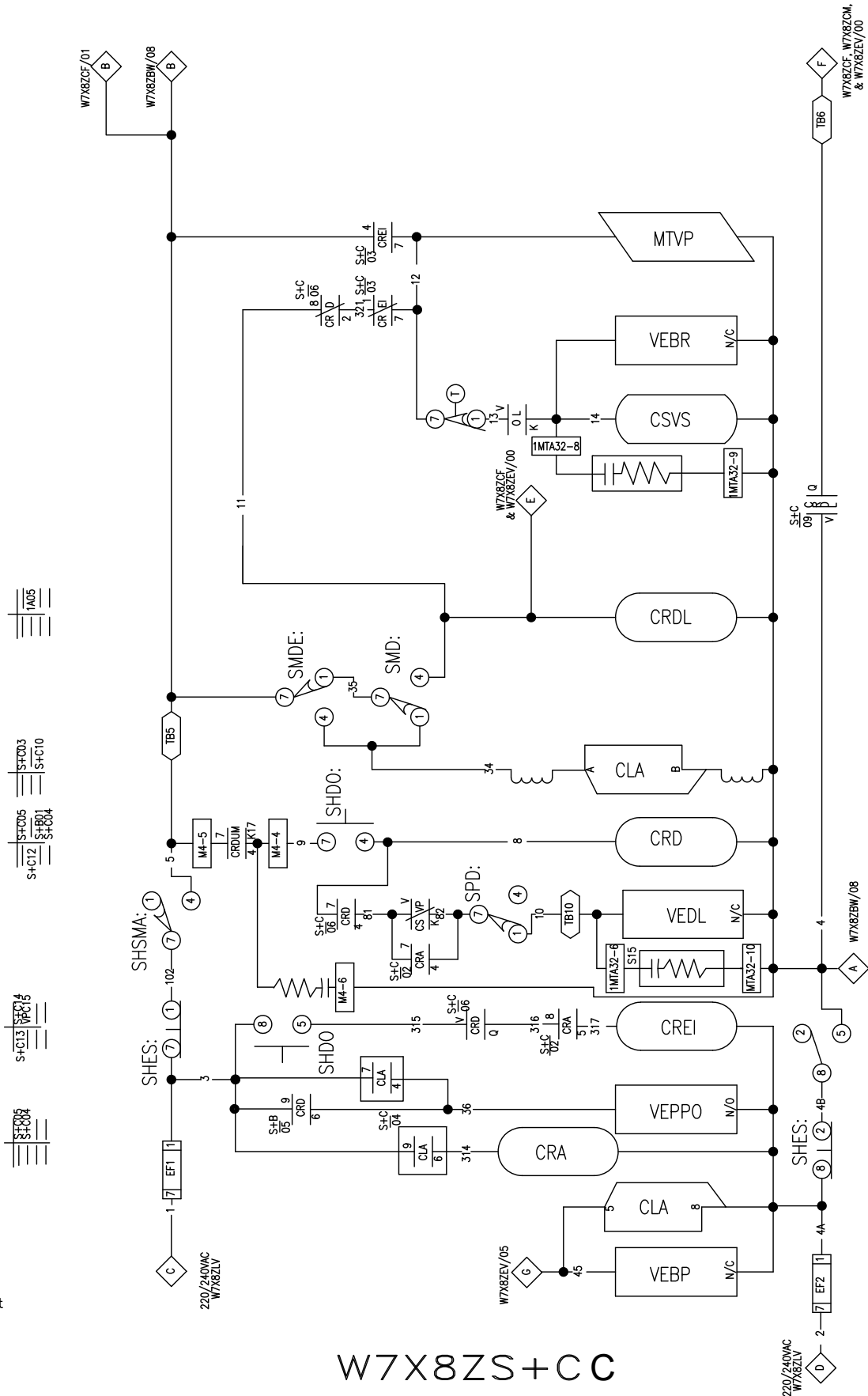
# W7X8ZS+BC

PELLERIN MILNOR CORPORATION

16  
15  
14  
13  
12  
11  
10  
09  
08  
07  
06  
05  
04  
03  
02  
01  
00

2019034A

48040F7Z  
start circuit  
启动电路



# W7X8ZS+CC

PELLERIN MILNOR CORPORATION

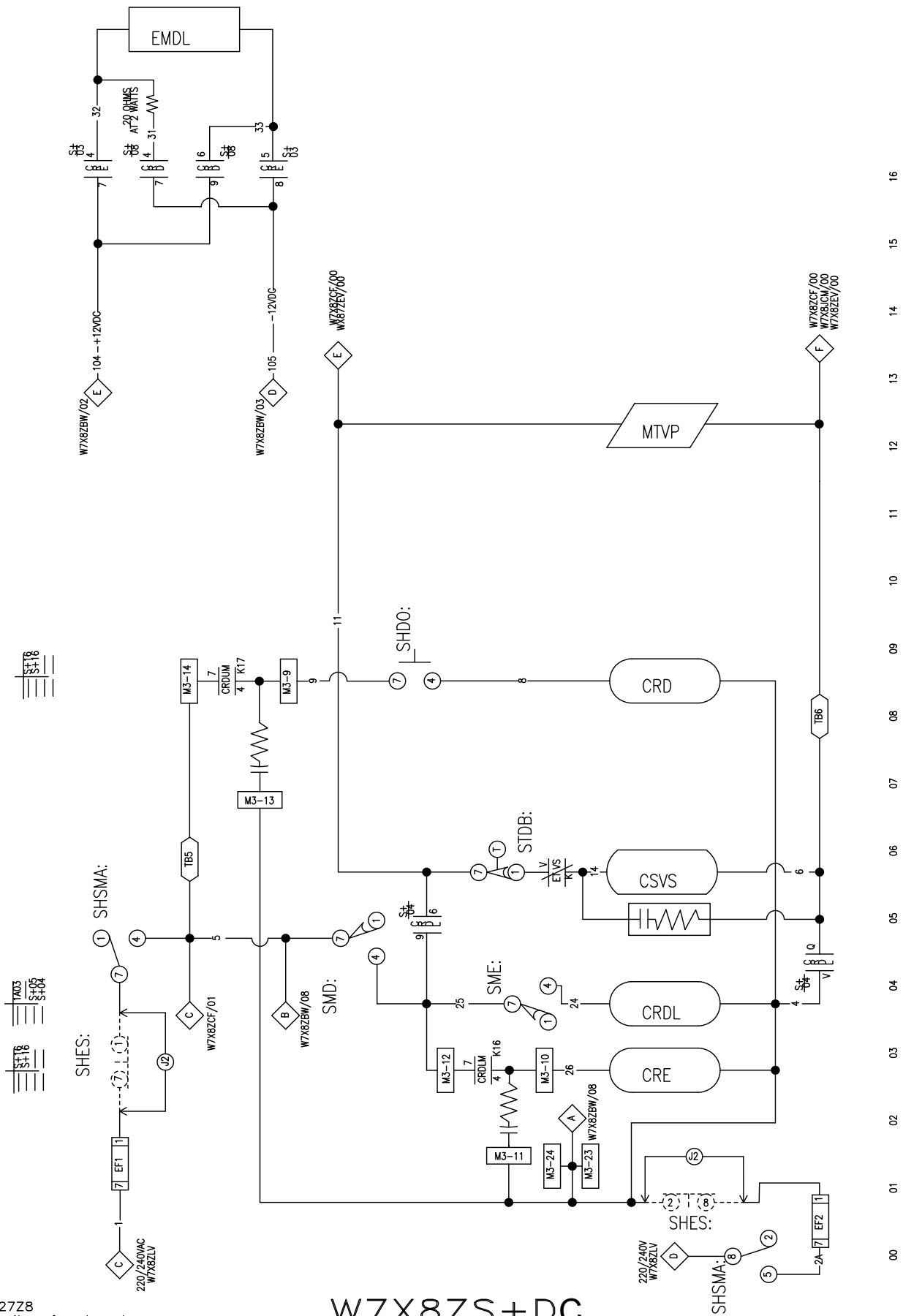
2020392A

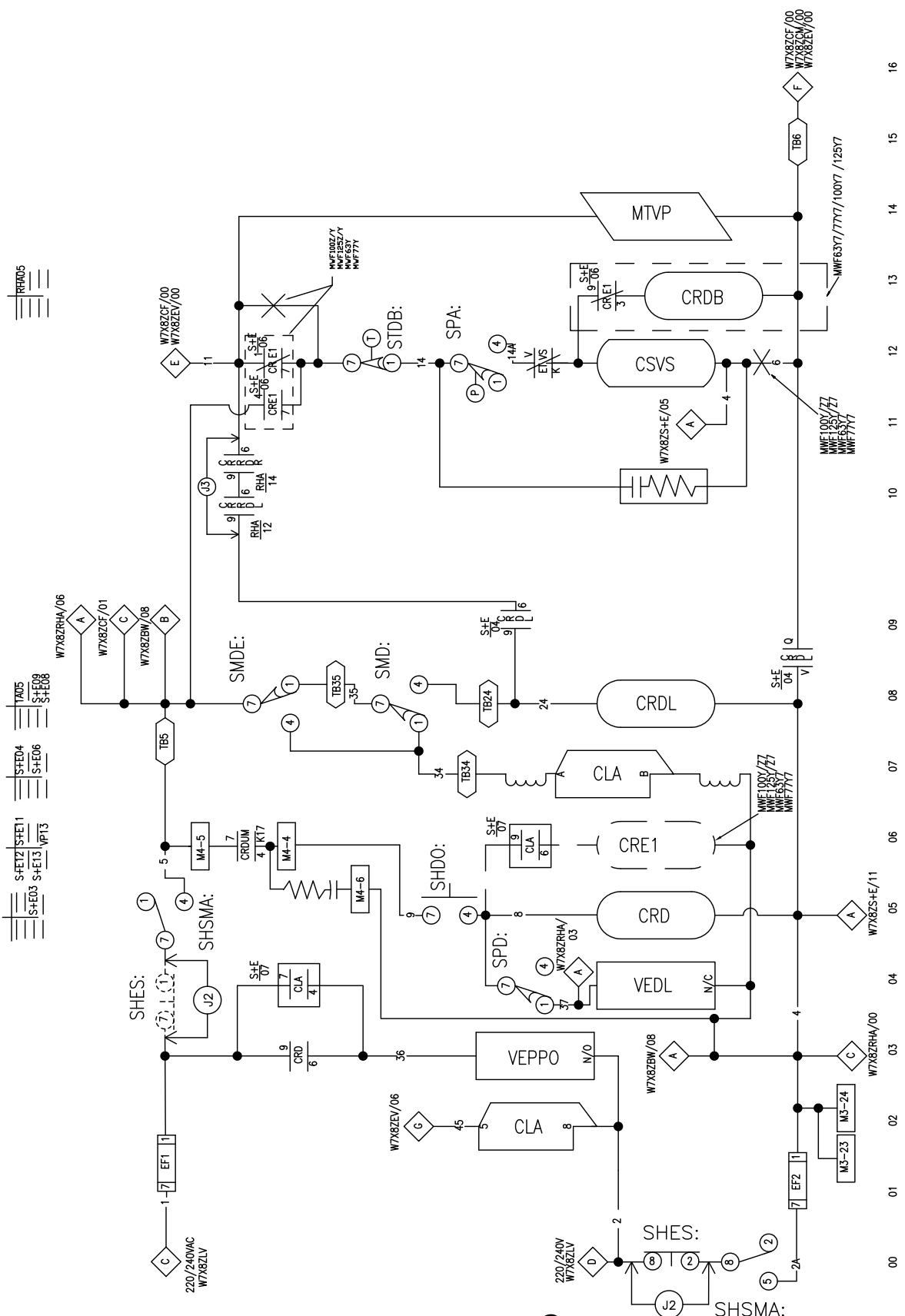
MWF18/2728  
 start circuit no fuse board  
 启动电路

# W7X8ZS+DC

PELLERIN MILNOR CORPORATION

2021073A





MWF45Z8, 63Z7, 77Z7, 100Z/Y7, 125Z/Y7  
 start circuit, no fuse board  
 启动电路

# W7X8ZS+EC

PELLERIN MILNOR CORPORATION

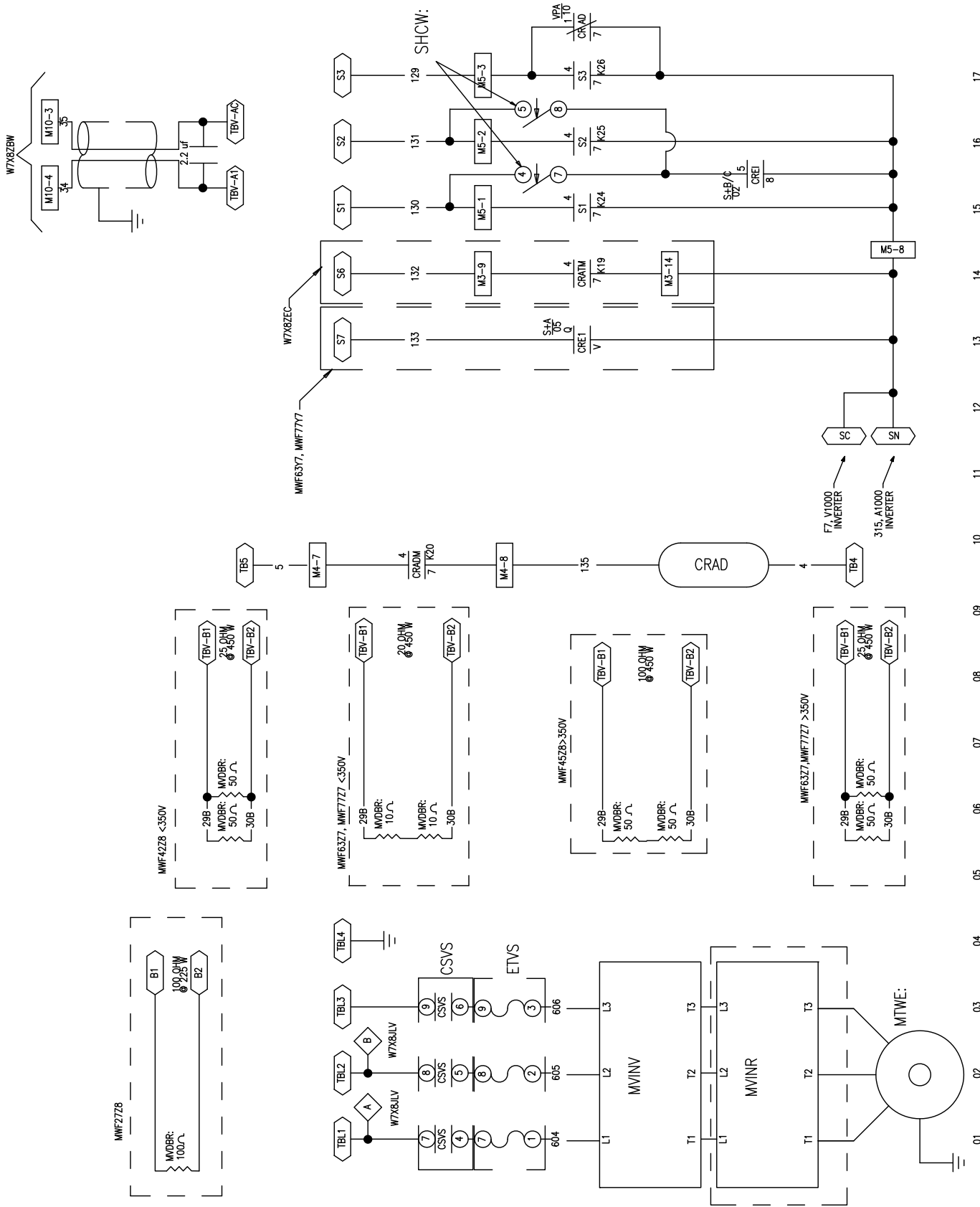
2020392A

MWF18/27/45Z8, 63/77Z/Y7  
 inverter  
 逆变器  
 inversor

# W7X8ZVPAX

PELLERIN MILNOR CORPORATION

2024473A



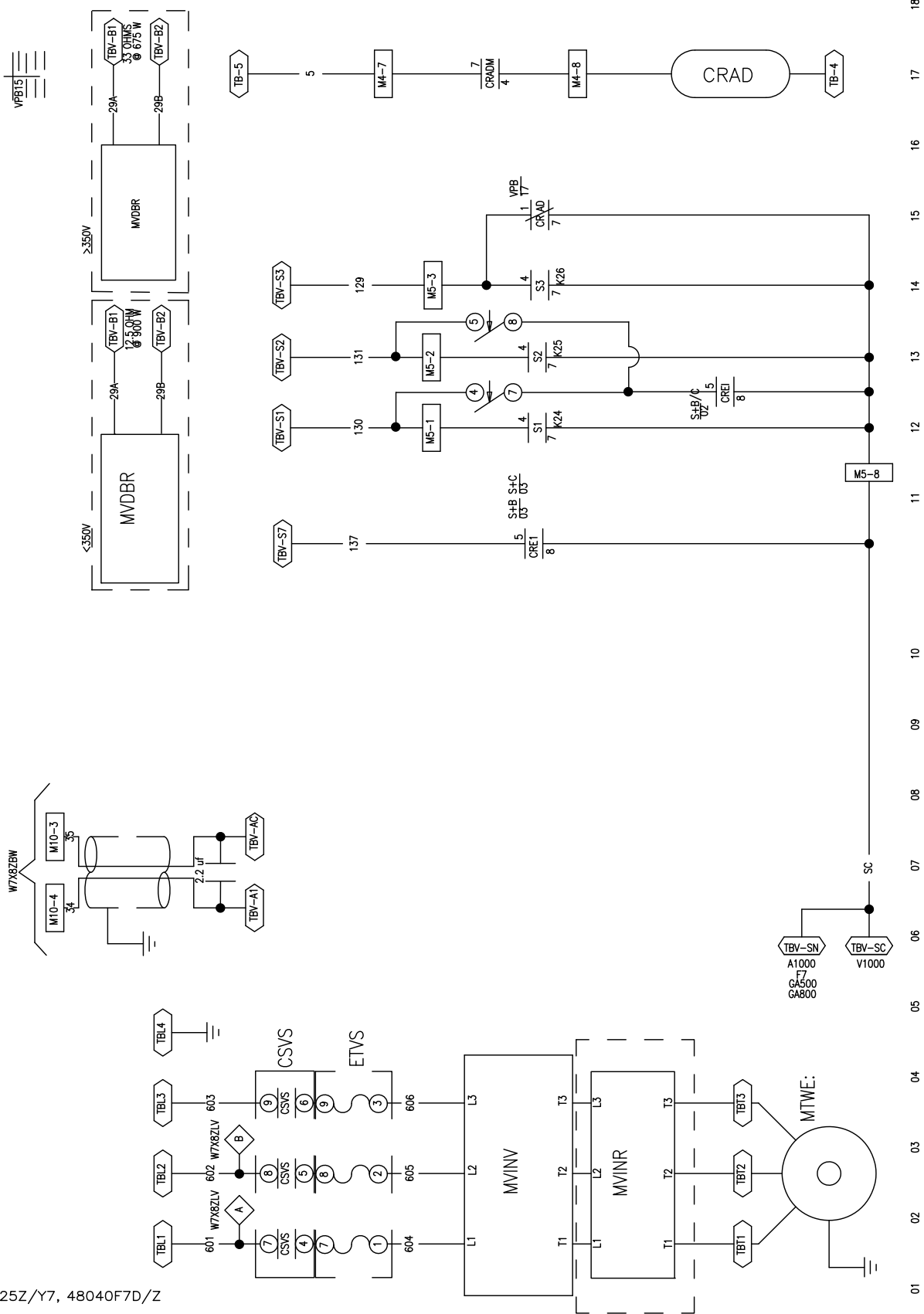
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17

MWF100-125Z/Y7, 48040F7D/Z  
inverter  
变频器

# W7X8ZVPBC

PELLERIN MILNOR CORPORATION

2021332A







English/Português

2

The text in this Circuit Guide is provided in the following languages:

1. **English**
  2. Portuguese
- 

O texto neste circuito guia é fornecido nos seguintes idiomas:

1. Inglês
  2. **Português**
-



Read the separate safety manual before installing, operating, or servicing

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Leia o manual separado de segurança antes de instalar, funcionar ou fazer a manutenção.

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## How to Get the Necessary Repair Components

You can get components to repair your machine from the approved supplier where you got this machine. Your supplier will usually have the necessary components in stock. You can also get components from the Milnor® factory.

Tell the supplier the machine model and serial number and this data for each necessary component:

- The component number from this manual
- The component name if known
- The necessary quantity
- The necessary transportation requirements
- The schematic number
- If the component is a motor or electrical control, give the nameplate data from the used component.

To write the Milnor factory:

Pellerin Milnor Corporation  
Post Office Box 400  
Kenner, LA 70063-0400  
United States

Telephone: 504-467-2787  
Fax: 504-469-9777  
Email: [parts@milnor.com](mailto:parts@milnor.com)

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## Como Obter os Componentes de Manutenção Necessários

Você pode obter componentes para consertar a sua máquina do fornecedor aprovado onde adquiriu esta máquina. O seu fornecedor geralmente terá os componentes necessários em estoque. Você também pode obter componentes da fábrica Milnor.

Informe ao fornecedor, o modelo e o número de série da máquina e estes dados para cada componente necessário:

- O número do componente fornecido neste manual
- O nome do componente, se conhecido
- A quantidade necessária
- Os requisitos de transporte necessários
- O número da visão esquemática
- Se o componente for um motor ou controle elétrico, forneça os dados da placa de identificação do componente usado

Para entrar em contato com a fábrica Milnor por escrito:

Pellerin Milnor Corporation  
caixa postal 400  
Kenner, LA 70063-0400  
Estados Unidos

telefone: 504-467-2787  
Fax: 504-469-9777  
E-mail: [parts@milnor.com](mailto:parts@milnor.com)

# MC7MWFZ1AX

W7X8ZPLP/2023014N

AC			
ACBA	< 7-2022	W7X8ZEC	EACCLRM3
ACBA	> 7-2022	W7X8ZEC	EACCLRM8
BA			
BAFR		W7X8ZS+	08BHRCT
BAFR		W7X8ZS+A	08BHRCT
BAUP		W7X8ZBW	08BHA9D3T
BBAD-1		W7X8ZEC	08BSBADCTE
BIO		W7X8ZBW	08BHF120AT
BSP		W7X8ZBW	08BNSRAT
CD			
CDDH		W7X8ZHD	09CF001071
CL			
CLA		W7X8ZS+A	09CL2C-C71
CLA		W7X8ZS+B	09CL2C-C71
CLA		W7X8ZS+C	09CL2C-C71
CLA-CHOKE		W7X8ZS+A	10YCLCHOKE
CLA-CHOKE		W7X8ZS+B	10YCLCHOKE
CLA-CHOKE		W7X8ZS+C	10YCLCHOKE
CP			
CPSP		W7X8ZBW	09RPE013Q
CR			
CRA		W7X8ZS+B	09C024D71
CRA		W7X8ZS+C	09C024D71
CRAD		W7X8ZVPB	09C024D71
CRC1		W7X8ZCM	09C024D71
CRC2		W7X8ZCM	09C024D71
CRC3		W7X8ZCM	09C024D71
CRC4		W7X8ZCM	09C024D71
CRC5		W7X8ZCM	09C024D71
CRC6		W7X8ZCM	09C024D71
CRD		W7X8ZS+	09C024D71
CRD		W7X8ZS+A	09C024D71
CRD		W7X8ZS+B	09C024D71
CRD		W7X8ZS+C	09C024D71
CRDB		W7X8ZS+A	09C024D71
CRDB		W7X8ZS+B	09C024D71
CRDL		W7X8ZS+	09C024D71
CRDL		W7X8ZS+A	09C024D71
CRDL		W7X8ZS+B	09C024D71
CRDL		W7X8ZS+C	09C024D71
CRDOA		W7X8ZRH	09C024D71
CRDOA		W7X8ZRHA	09C024D71
CRDRA		W7X8ZSRH	09C024D71
CRE		W7X8ZS+	09C024D71
CREI		W7X8ZS+B	09C024D71
CREI		W7X8ZS+C	09C024D71
CRFDL		W7X8ZRH	09C024D71
CRFDL		W7X8ZRH	09C024D71
CRFDR		W7X8ZRH	09C024D71

# MC7MWFZ1AX

W7X8ZPLP/2023014N

CRFDR		W7X8ZSRH	09C024D71
CRRDL		W7X8ZRH	09C024D71
CRRDL		W7X8ZRHA	09C024D71
CRRDL		W7X8ZSRH	09C024D71
CRRDR		W7X8ZRH	09C024D71
CRRDR		W7X8ZRHA	09C024D71
CRRDR		W7X8ZSRH	09C024D71
CS			
CSDO		W7X8ZHD	09MC08C371
CSVS	MWF27Z8	W7X8ZS+	98CMCR3004
CSVS	MWF45Z8	W7X8ZS+A	98CMCR3601
CSVS	MWF63-77 <350V	W7X8ZS+A	98CMCR4201
CSVS	MWF63-77 >350V	W7X8ZS+A	98CMCR4202
CSVS		W7X8ZS+B	09MC08E371
CSVS		W7X8ZS+C	09MC08E371
CSVS	MWF45,63,77	W7X8ZVPA	09MC08G371
CSVS	48040>350V	W7X8ZVPB	09MC08G371
CSVS	48040<350V	W7X8ZVPB	09MC08N371
EF			
EF1		W7X8ZS+	09FF002AMG
EF2		W7X8ZS+	09FF002AMG
EF2		W7X8ZS+A	09FF002AMG
EFP1	>250V	W7X8ZLV	09FF003AWV
EFP2	>250V	W7X8ZLV	09FF003AWV
EM			
EMDL		W7X8ZS+	09K063C24
EP1		W7X8ZS+A	09FF002AMG
ES			
ESPS		W7X8ZBW	08PSS3401T
ET			
ETVS	MWF27	W7X8ZVPA	09FTD0120T
ETVS		W7X8ZVPA	09FTD0121T
ETVS	MWF27 LV	W7X8ZVPA	98CMCR3005
ETVS	MWF45 <350V	W7X8ZVPA	98CMCR3602
ETVS	MWF45 >350V	W7X8ZVPA	98CMCR3603
ETVS	MWF63,77 <350V	W7X8ZVPA	98CMCR4203
ETVS	MWF63, 77 >350V	W7X8ZVPA	98CMCR4204
EX			
EXHV		W7X8ZLV	MESSAGE EW
EXHV-1		W7X8ZLV	98CMCR0902
EXHV-2		W7X8ZLV	09UA025AAB
EXHV-3		W7X8ZLV	09U251AB71
MOV		W7X8ZBW	08MOV0240
MT			
MTVP		W7X8ZS+A	13AF100A71
MTVP		W7X8ZS+B	13AF100A71
MTVP		W7X8ZS+C	13AF100A71
MTWE		W7X8ZVPA	MESSAGE SO
MTWE		W7X8ZVPB	MESSAGE SO
MV			

# MC7MWFZ1AX

W7X8ZPLP/2023014N

MVDBR		W7X8ZVPA	09MV100RET
MVDBR		W7X8ZVPB	09MV050REV
MVFLT		W7X8ZVPA	09MVFILTR1
MVFLT		W7X8ZVPB	09MVFILTR1
MVINR-H		W7X8ZVPA	09MX100A96
MVINR-H		W7X8ZVPA	09MX250A96
MVINR-H		W7X8ZVPB	09MX400A96
MVINR-L		W7X8ZVPA	09MX100A74
MVINR-L		W7X8ZVPA	09MX200A74
MVINR-L		W7X8ZVPB	09MX600A96
MVINV-H		W7X8ZVPA	09MWB00996
MVINV-H		W7X8ZVPA	09MWB01896
MVINV-H		W7X8ZVPA	09MWB02496
MVINV-H		W7X8ZVPB	09MWC03996
MVINV-L		W7X8ZVPA	09MWB01774
MVINV-L		W7X8ZVPA	09MWB03374
MVINV-L		W7X8ZVPA	09MWB04774
MVINV-L		W7X8ZVPB	09MWC07574
PX			
PXDO		W7X8ZRH	09RPS18CAS
PXDO		W7X8ZRHA	09RPS18CAS
PXFDL		W7X8ZRH	09RPS12AAS
PXFDL		W7X8ZRHA	09RPS12AAS
PXFDR		W7X8ZRH	09RPS12AAS
PXRDL		W7X8ZRH	09RPS12AAS
PXRDR		W7X8ZRH	09RPS12AAS
PXRDR		W7X8ZRHA	09RPS12AAS
RS01		W7X8ZBW	09AR16R25
SH			
SH01		W7X8ZLV	09N050
SHCW		W7X8ZVPB	09N405M320
SHDO		W7X8ZIA	09N405PB10
SHDO		W7X8ZS+	09N405PB10
SHDO		W7X8ZS+A	09N405PB10
SHDO		W7X8ZS+B	09N405PB10
SHDO		W7X8ZS+C	09N405PB10
SHES		W7X8ZS+	09N508A
SHES		W7X8ZS+A	09N508A
SHES		W7X8ZS+B	09N508A
SHES		W7X8ZS+C	09N508A
SHFR		W7X8ZRH	09N405M320
SHMF		W7X8ZEV	09N405PB10
SHMF		W7X8ZEVA	09N405PB10
SHSMA		W7X8ZS+	09N405M220
SHSMA		W7X8ZS+A	09N405M220
SHSMA		W7X8ZS+B	09N405M220
SHSMA		W7X8ZS+C	09N405M220
SHU		W7X8ZRH	09N405S320
SHU		W7X8ZRHA	09N405S320
SHWD		W7X8ZIA	09N405M210

# MC7MWFZ1AX

W7X8ZPLP/2023014N

SHWDO		W7X8ZHD	09N405S320
SHWDO		W7X8ZS+B	09N405S320
SK			
SKPR		W7X8ZIA	09N127C
SM			
SMD		W7X8ZS+	02 04177
SMD		W7X8ZS+A	09R014A
SMD		W7X8ZS+B	09R014A
SMD		W7X8ZS+C	09R014A
SMDE		W7X8ZS+A	09R012
SMDE		W7X8ZS+B	09R012
SMDE		W7X8ZS+C	09R012
SME		W7X8ZS+	09R010D
SMEX		W7X8ZIA	09R008ASTD
SMWVB		W7X8ZIA	SAE03 151
SP			
SPA		W7X8ZS+A	09N082A
SPBP		W7X8ZIA	09N082B05
SPBS		W7X8ZIA	09N082A
SPD		W7X8ZS+A	09N082B10
SPD		W7X8ZS+B	09N082B10
SPD		W7X8ZS+C	09N082B10
ST			
STDB		W7X8ZS+	30RA175T
STDB		W7X8ZS+A	30RA175T
STDB		W7X8ZS+B	30RA175T
STDB		W7X8ZS+C	30RA175T
TP1		W7X8ZBW	30R0043P
VE			
VEBP		W7X8ZS+A	96TBC2BA71
VEBP		W7X8ZS+B	96TBC2BA71
VEBP		W7X8ZS+C	96TBC2BA71
VEBR		W7X8ZS+A	96R301B71
VEBR		W7X8ZS+B	96R301B71
VEBR		W7X8ZS+C	96R301B71
VEC1		W7X8ZCF	--
VEC2		W7X8ZCF	--
VEC3		W7X8ZCF	--
VEC4		W7X8ZCF	--
VEC5		W7X8ZCF	--
VEC6		W7X8ZCF	--
VEC7		W7X8ZCF	--
VEC8		W7X8ZCF	--
VECD		W7X8ZEV	96P057A71
VECD		W7X8ZEV	96P056A71
VECD		W7X8ZEV	96P152A71
VECD		W7X8ZEV	96R301B71
VECD		W7X8ZEVA	96R301B71
VED		W7X8ZRH	96R301B71
VED		W7X8ZRHA	96R301B71



# MC7MWFZ1AX

W7X8ZPLP/2023014N

VEDL		W7X8ZS+A	98CMCR3001
VEDL		W7X8ZS+B	96R301B71
VEDL		W7X8ZS+C	96R301B71
VEDR		W7X8ZEV	96D350A71
VEDR		W7X8ZEV	96R301B71
VEDR		W7X8ZEVA	96R301B71
VEDRR		W7X8ZEV	96D350B71
VEDRR		W7X8ZEV	96R301B71
VEDRR		W7X8ZEVA	96R301B71
VEF		W7X8ZRH	96R301B71
VEFL		W7X8ZEV	96P057A71
VEFL		W7X8ZEV	96P056A71
VEFL		W7X8ZEVA	96R301B71
VEFL		W7X8ZEVA	96R301B71
VEFLS		W7X8ZEV	96P013G71
VEFLS		W7X8ZEVA	96P013G71
VEHDC		W7X8ZHD	96RH706E71
VEHDL		W7X8ZS+B	96R301B71
VEHDO		W7X8ZHD	96RH706E71
VEPPO		W7X8ZS+A	98CMCR3002
VEPPO		W7X8ZS+B	96R302B71
VEPPO		W7X8ZS+C	96R302B71
VESTM		W7X8ZEV	98CMCR3001
VESTM		W7X8ZEV	96R301B71
VESTM		W7X8ZEVA	96R301B71
VEU		W7X8ZRH	96R301B71
VEU		W7X8ZRHA	96R301B71
VEWC		W7X8ZEV	96P057A71
VEWC		W7X8ZEV	98CMCR3001
VEWC		W7X8ZEV	98CMCR3001
VEWC		W7X8ZEV	96R301B71
VEWC		W7X8ZEV	98CMCR3001
VEWC		W7X8ZEV	98CMCR3001
VEWC		W7X8ZEVA	96R301B71
VEWH		W7X8ZEV	96P057A71
VEWH		W7X8ZEV	96R301B71
VEWH		W7X8ZEVA	96R301B71
VEWVX		W7X8ZEV	96P057A71
VEWVX		W7X8ZEV	96P056A71
VEWVX		W7X8ZEV	96P152A71
VEWVX		W7X8ZEV	96R301B71
VEWVX		W7X8ZEVA	96R301B71

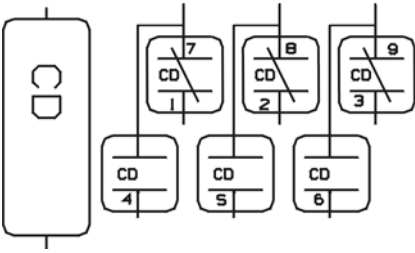
**Legend of Symbols**  
**Legenda dos símbolos**



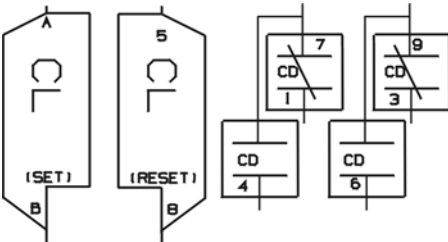
**BA = Printed Circuit Board**  
**Placa de circuito impresso**



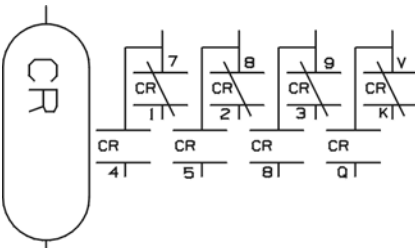
**CB = Circuit Breaker**  
**Disjuntor**



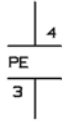
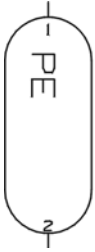
**CD = Time Delay Relay**  
**Relé de ação retardada**



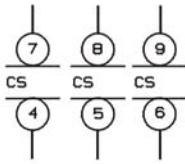
**CL = Latch Relay**  
**Relé de trava**



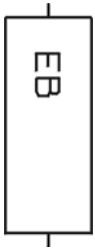
**CR = Relay**  
**Relé**



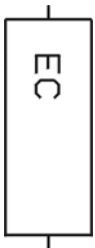
**CP = Photo-Eye**  
**Fotoelétrico**



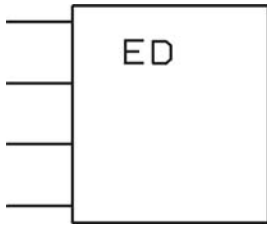
**CS = Contactor/Motor Starter**  
**Contator/Arranque do Motor**



**EB = Audible Signal**  
**Sinal Sonoro**



**EC = Clutch**  
**Embreagem**



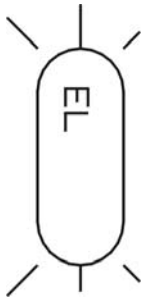
**ED = Electronic Display**  
**Tela eletrônica**

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**EF = Fuse**  
**Fusível**

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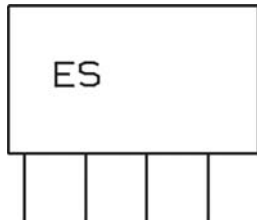
**EL = Light**  
**Luz**

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**EM = Electro Magnatic Solenoid**  
**Solenóide eletromagnético**

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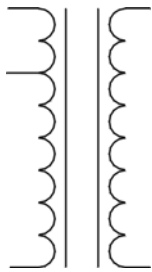
**ES = Electronic Power Supply**  
**Fonte de alimentação eletrônica**

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**ET = Thermal Overload**  
**Sobrecarga térmica**

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**EX = Transformer**  
**Transformador**

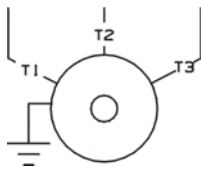
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**KB = Keyboard/Keypad**  
**Teclado/Teclado**

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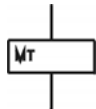
**MN = Electronic Monitor**  
**Monitor eletrônico**

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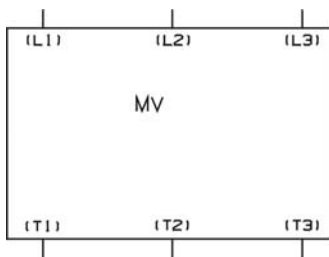
**MR = Motor**  
**Motor**

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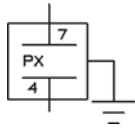
**MT = Board Connector**  
**Conector da placa**

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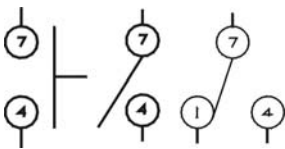


**MV = Motor Inverter**  
**Inversor do Motor**

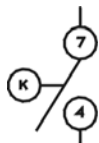
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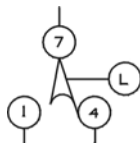
**PX = Proximity Switch**  
**Sensor de proximidade**



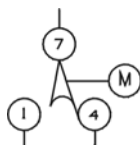
**SH = Switch Hand Operated**  
**Interruptor, Acionado à mão**



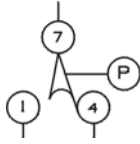
**SK = Switch Key Operated**  
**Interruptor, Acionado por teclado**



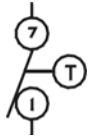
**SL = Switch Level Operated**  
**Interruptor, Acionado por nível**



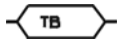
**SM = Switch Mechanically Operated**  
**Interruptor, Acionado mecanicamente**



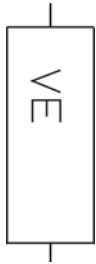
**SP = Switch Pressure Operated**  
**Interruptor, Acionado por pressão**



**ST = Switch Temperature Operated**  
**Interruptor, Acionado por temperatura**



**TB = Terminal Block**  
**Bloco terminal**



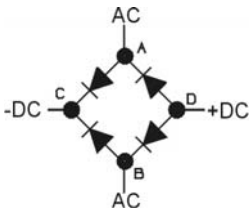
**VE = Valve Electrically Operated**  
**Válvula, Acionada por energia elétrica**



**WC = Wiring Connector**  
**Conector de fiação elétrica**

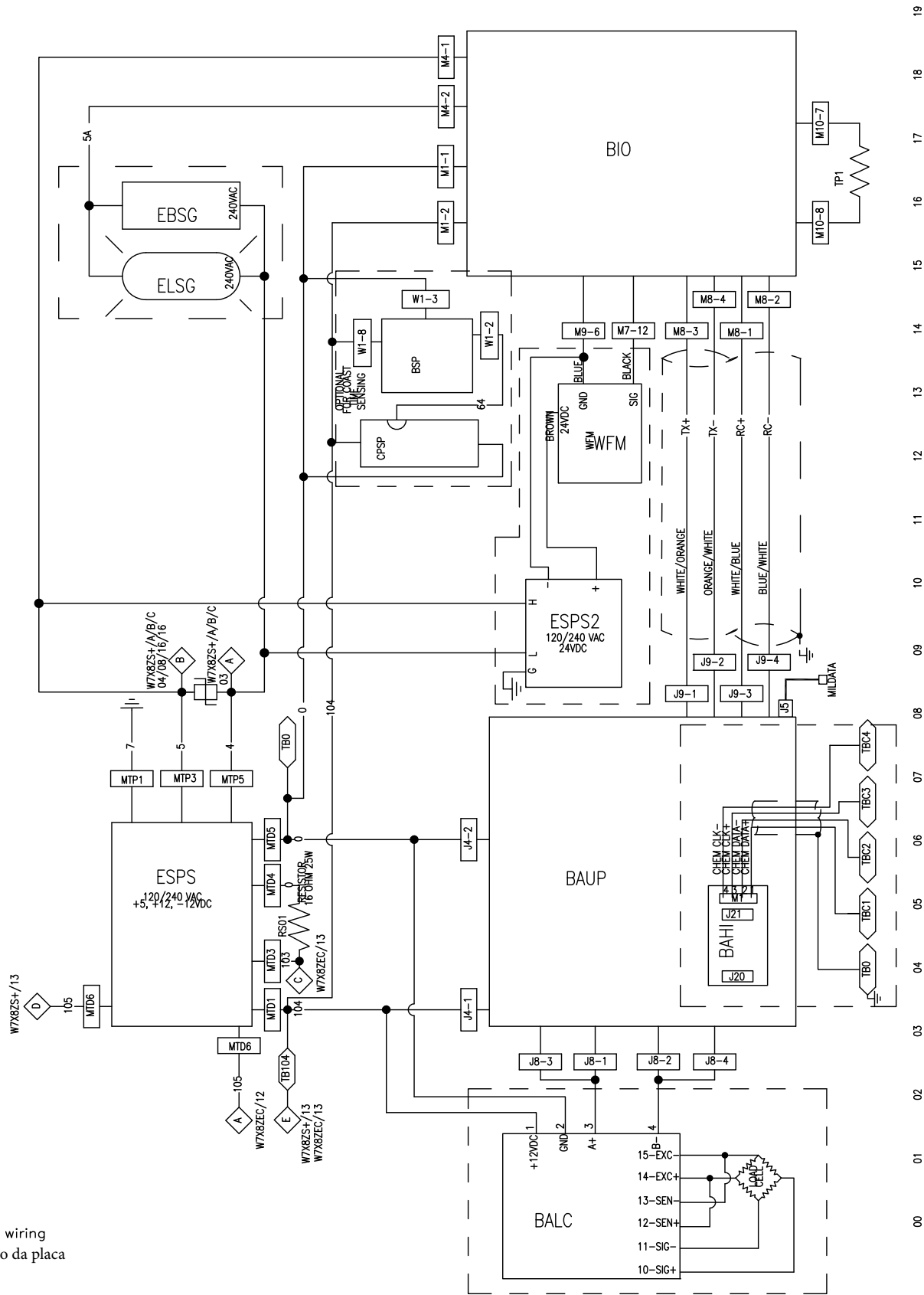
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**ZF = Rectifier**  
**Retificador**

board wiring  
Fiação da placa



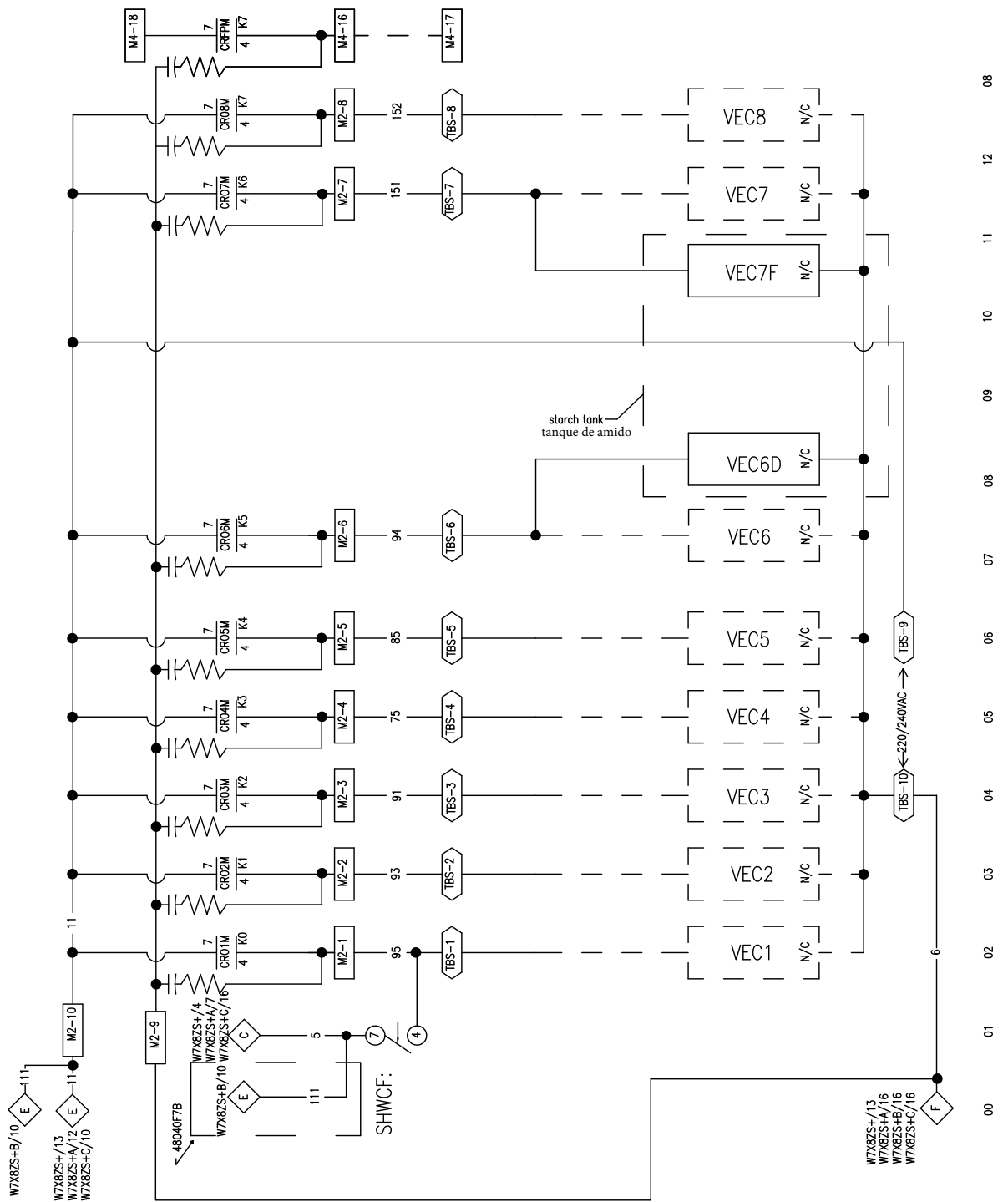
# W7X8ZBWP

PELLERIN MILNOR CORPORATION

19  
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2021034A

flushing supplies  
 Materiais para lavagem

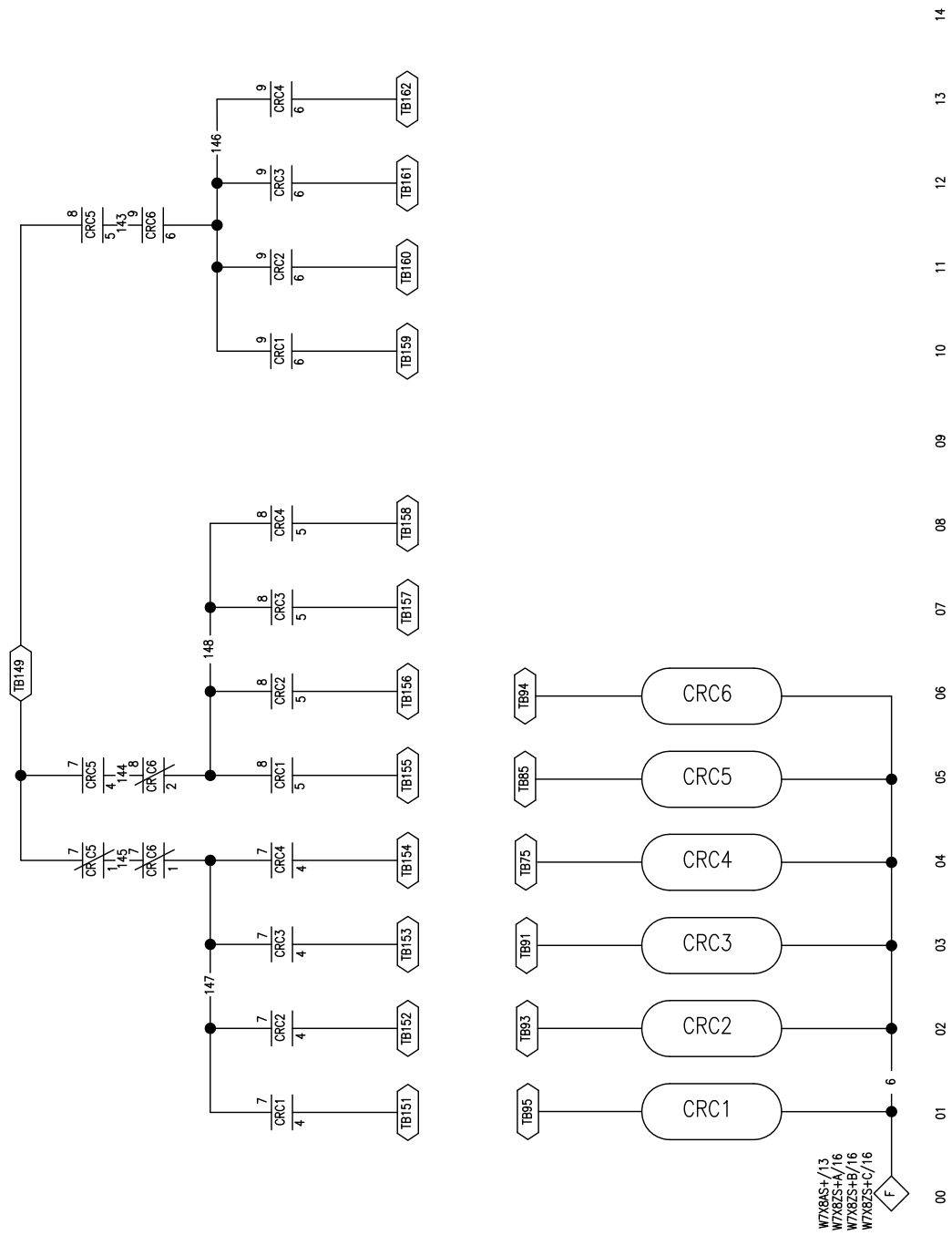


# W7X8ZCFP

PELLERIN MILNOR CORPORATION

2023052A

12 flushing supplies  
12 produtos químicos



# W7X8ZCMP

PELLERIN MILNOR CORPORATION

2013133A

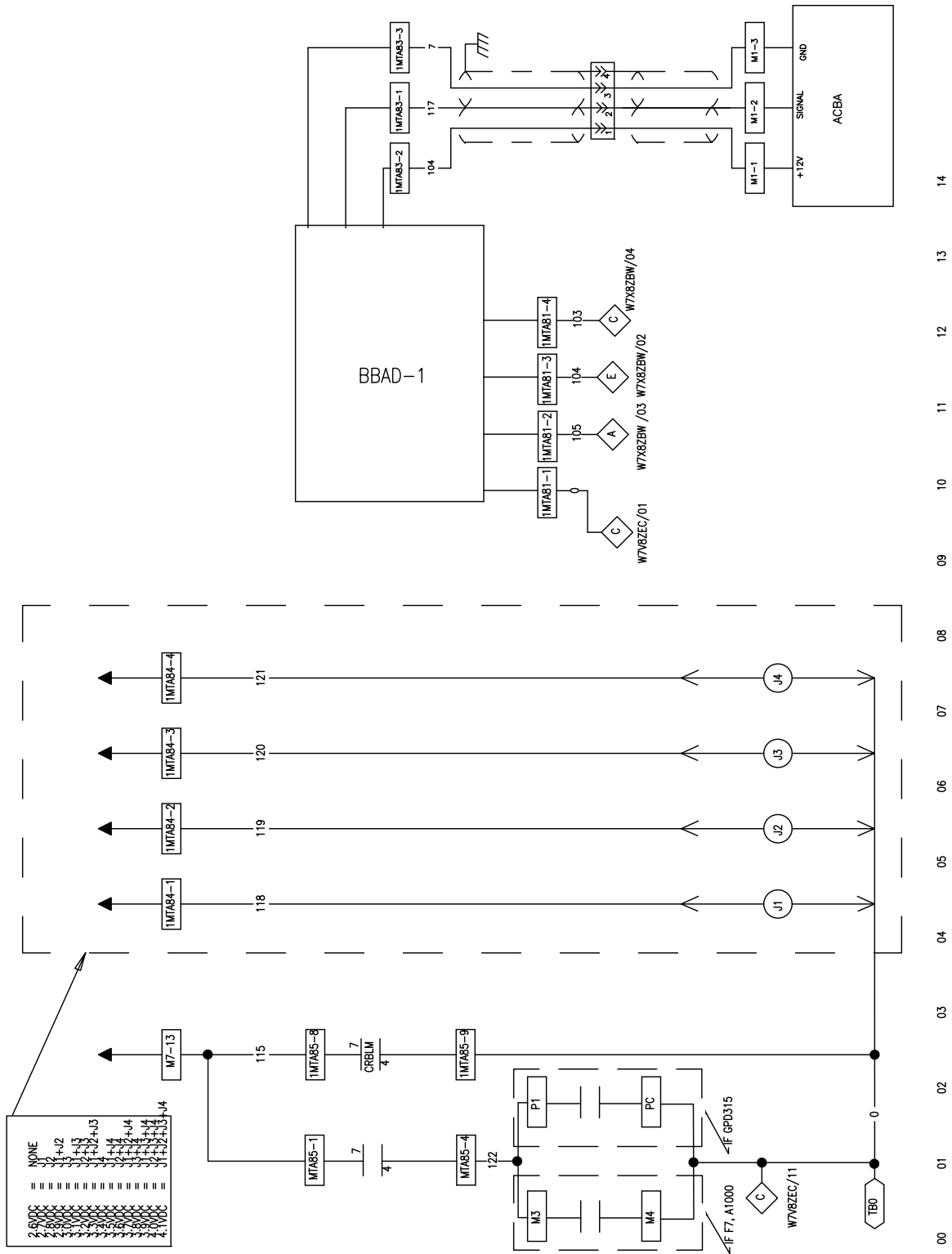
extract speed limit control  
 controle de limite da velocidade de extração

# W7X8ZEC P

PELLERIN MILNOR CORPORATION

2023014A

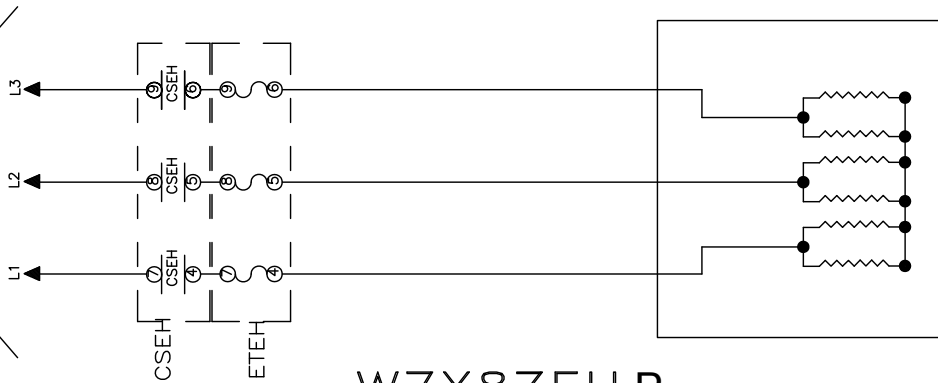
jumpers added to adjust for variations in accelerometers



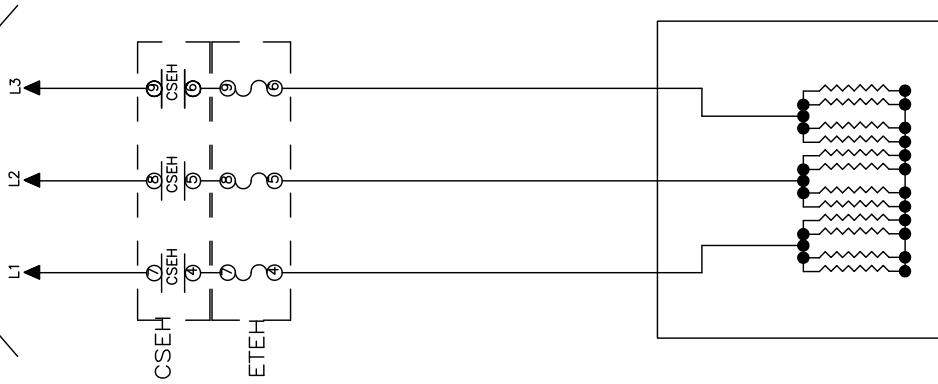
electric heat

aquecimento elétrico

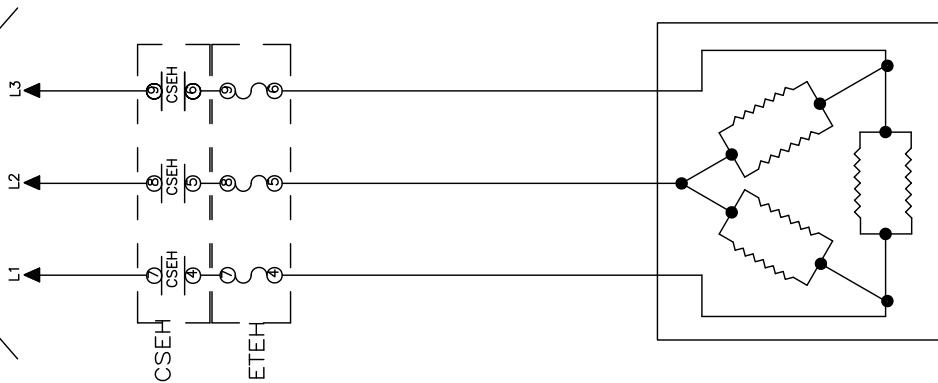
380-415V/3PH/50-60HZ 18KW



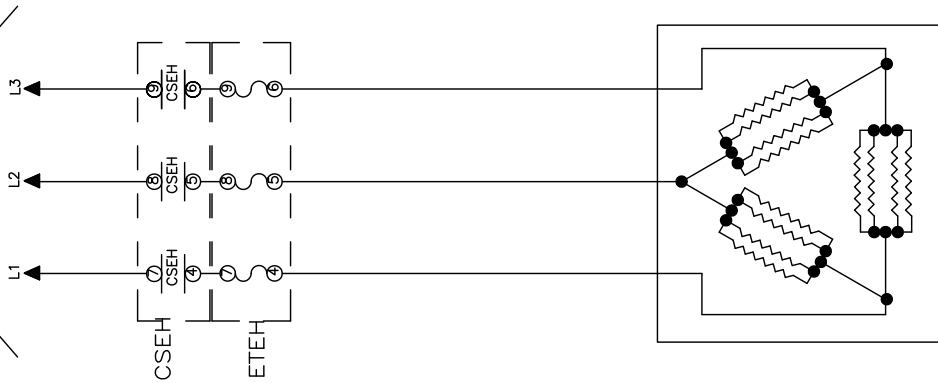
380-415V/3PH/50-60HZ 36KW



208-240V/3PH/50-60HZ 18KW



208-240V/3PH/50-60HZ 36KW

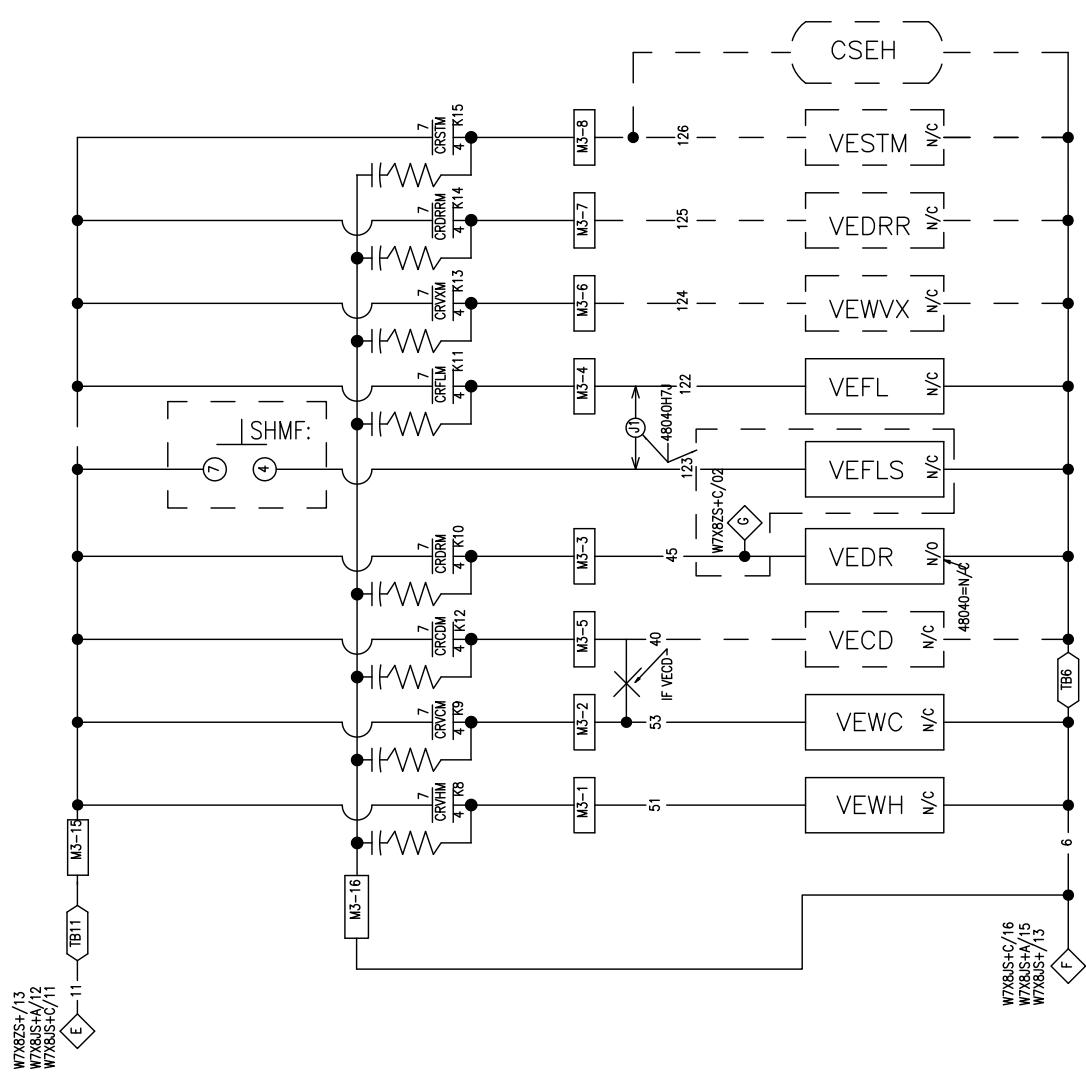


# W7X8ZEH P

PELLERIN MILNOR CORPORATION

2013133A

00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18

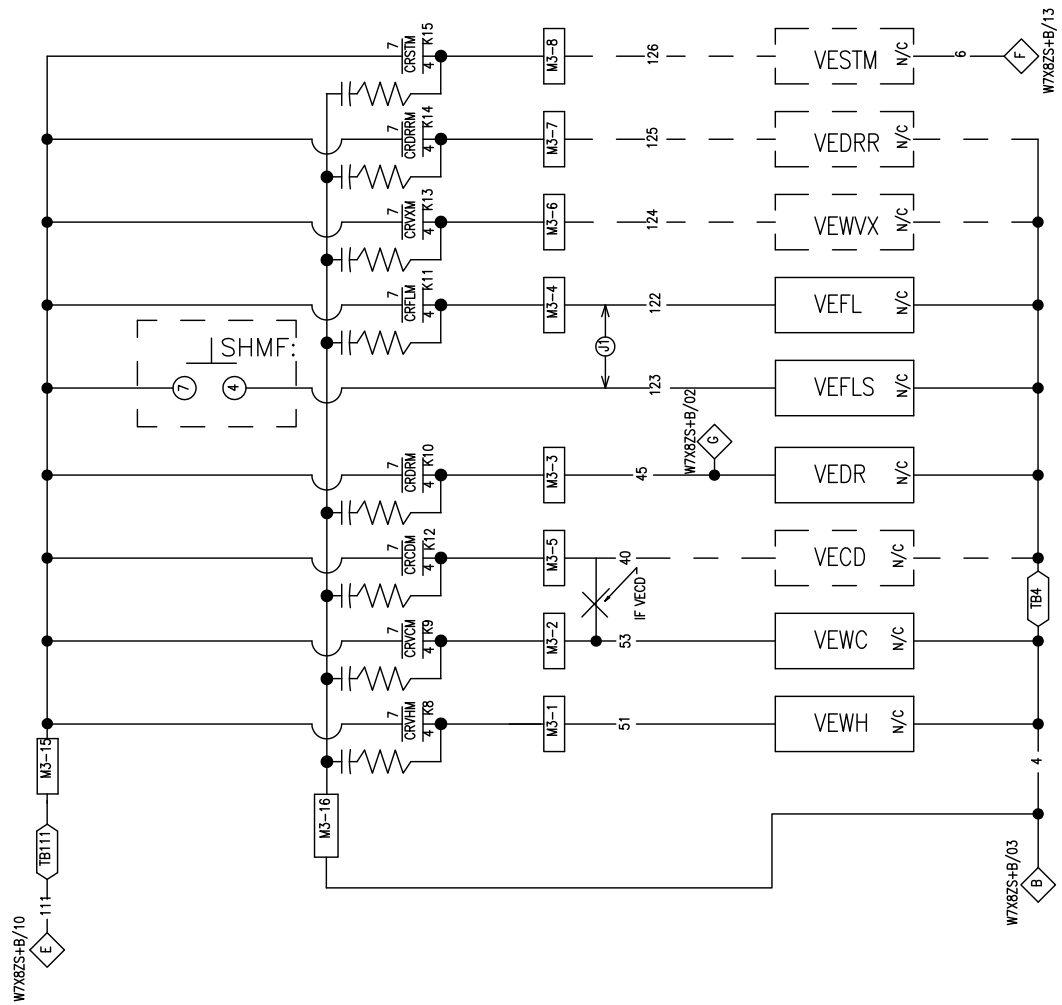


MWF27Z8, 45Z8, 63Z7, & 77Z7  
electric valves  
Válvulas eléctricas

# W7X8ZEV P

PELLERIN MILNOR CORPORATION

2013133A



48040F7D  
electric valves  
Válvulas eléctricas

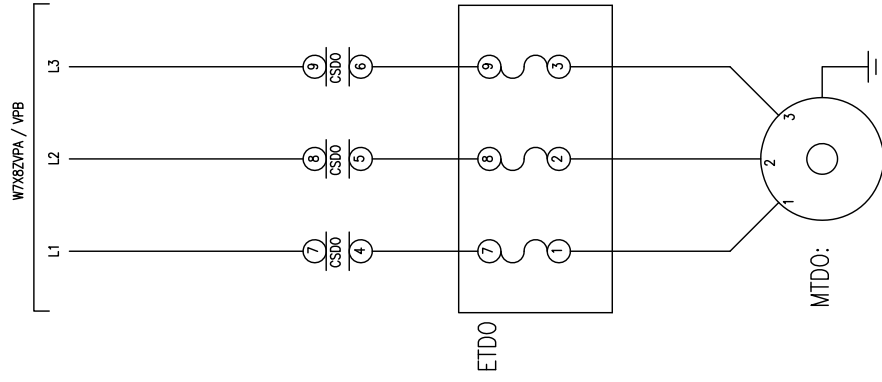
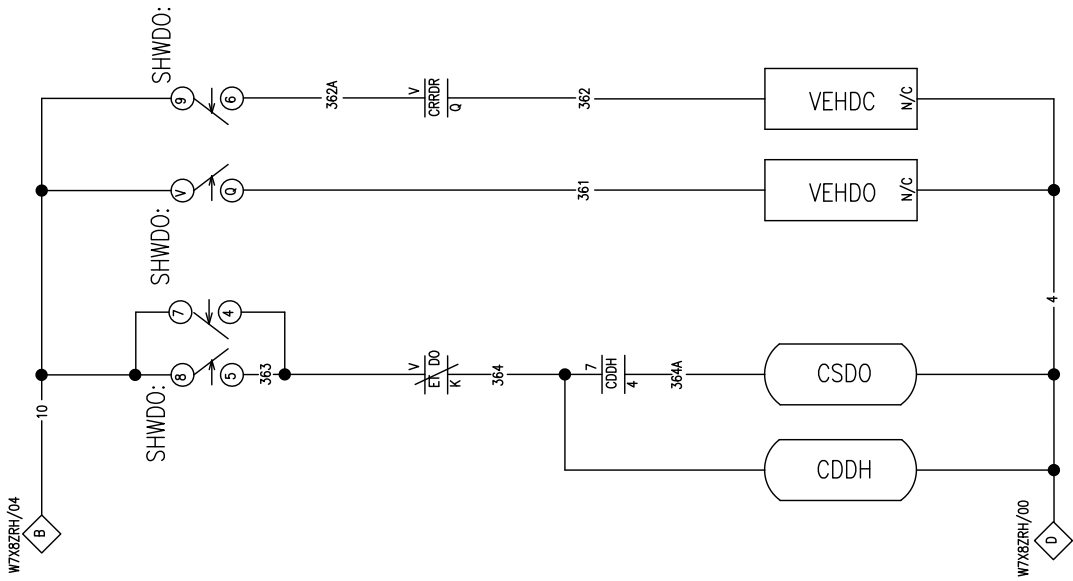
# W7X8ZEVA P

PELLERIN MILNOR CORPORATION

2014253A



hydraulic door  
porta hidráulica



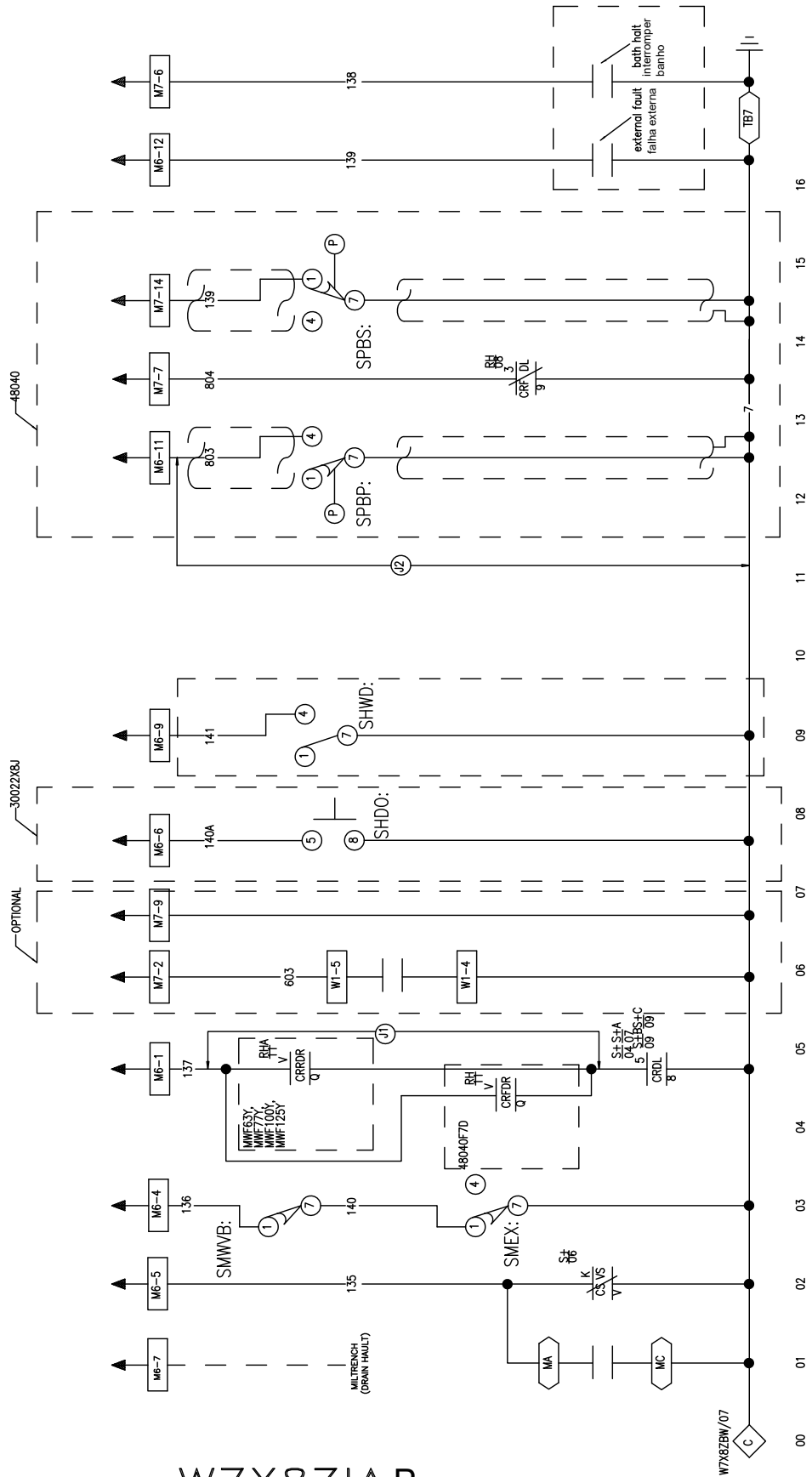
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# W7X8ZHDP

PELLERIN MILNOR CORPORATION

2019034A

microprocessor inputs  
Entradas de microprocessador

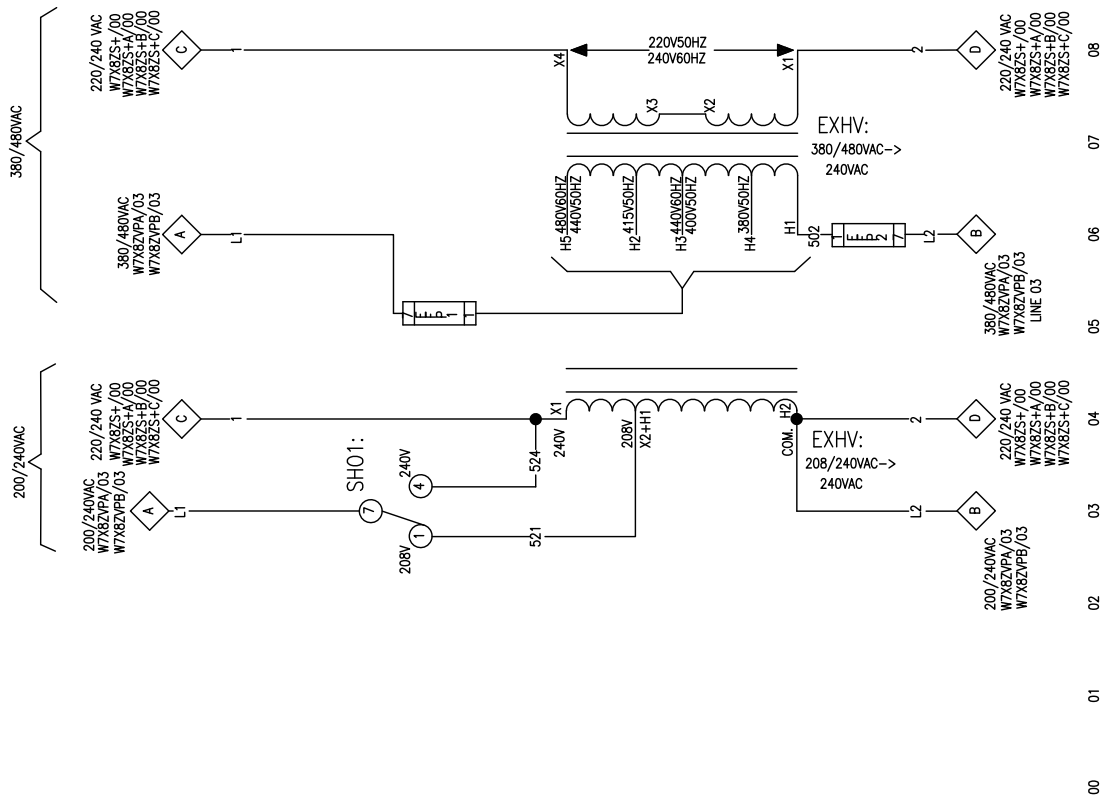
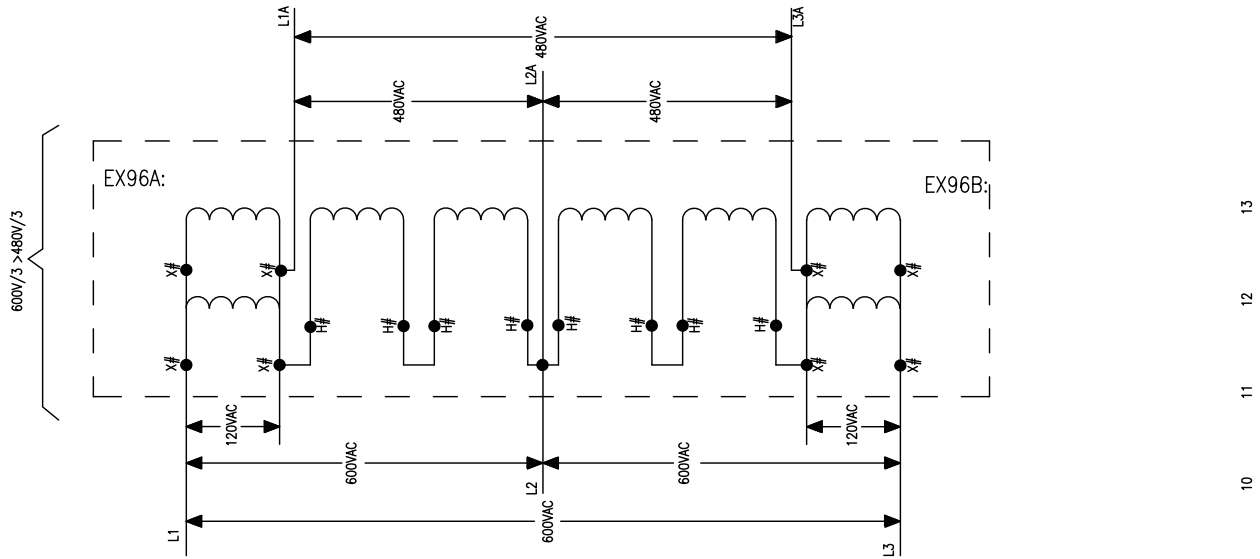


# W7X8ZIAP

PELLERIN MILNOR CORPORATION

2023052A

REFER TO THE CONNECTION DIAGRAM OF THE TRANSFORMERS FOR THE CORRESPONDING WIRE NUMBERS  
 CONSULTE O DIAGRAMA DE CONEXÃO DOS TRANSFORMADORES PARA OS NÚMEROS DE FIO CORRESPONDENTES

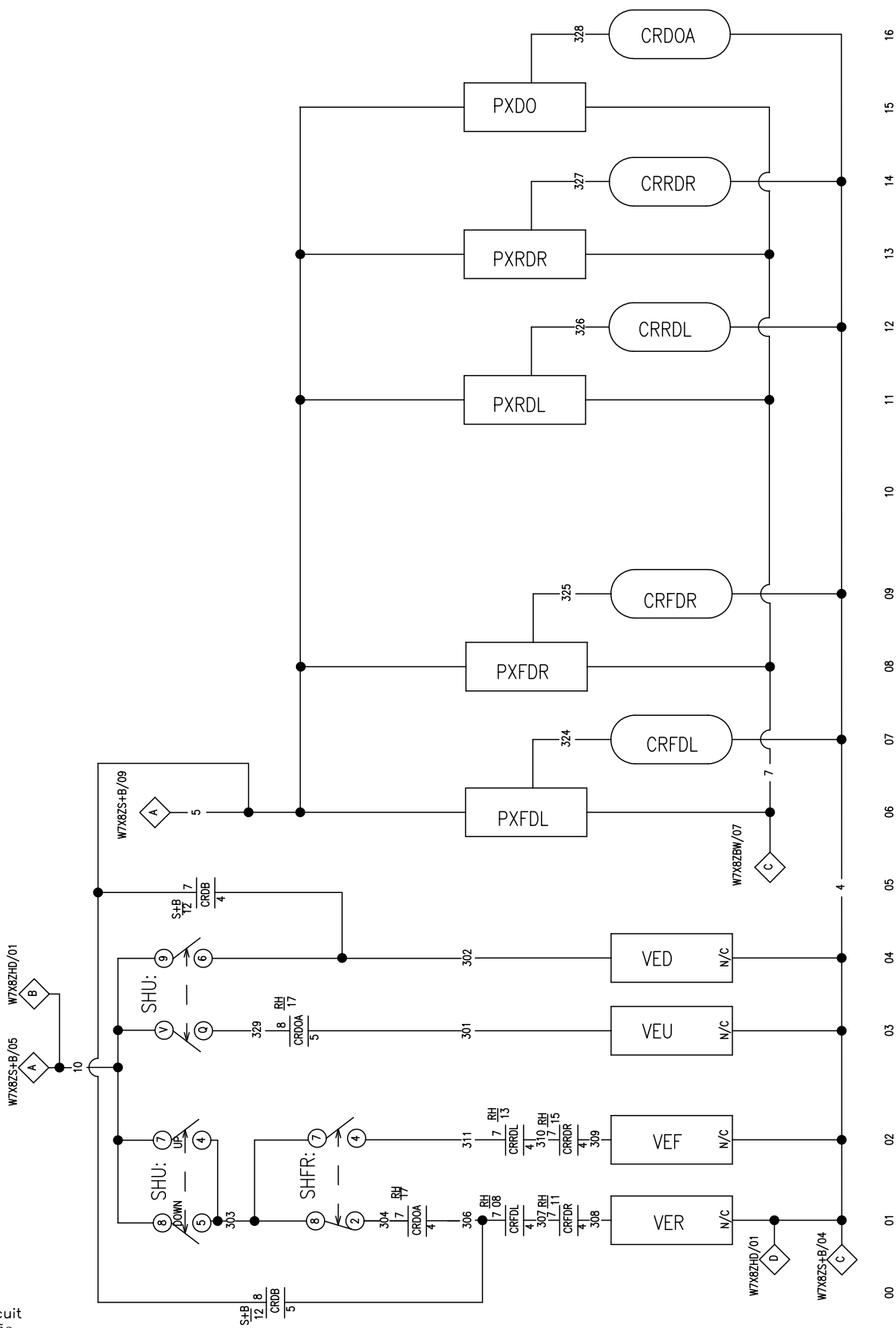


control transformer  
 transformador de controle

**W7X8ZLVP**  
 PELLERIN MILNOR CORPORATION

2021073A

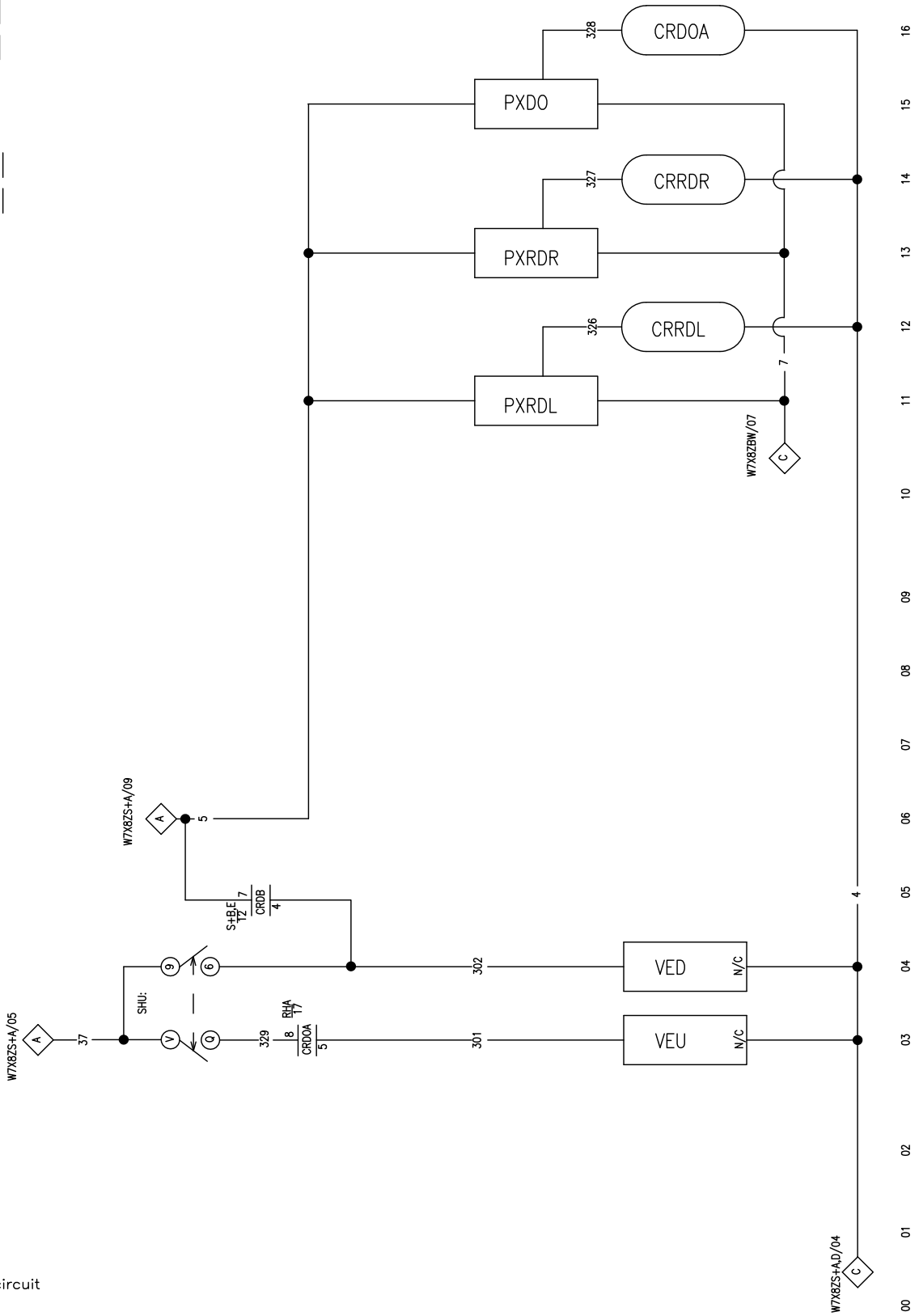
48040F7D tilt circuit  
circuito de inclinação



**W7X8ZRHP**  
PELLERIN MILNOR CORPORATION

2020392A

MWF63-125Y7 tilt circuit  
 circuito de inclinação

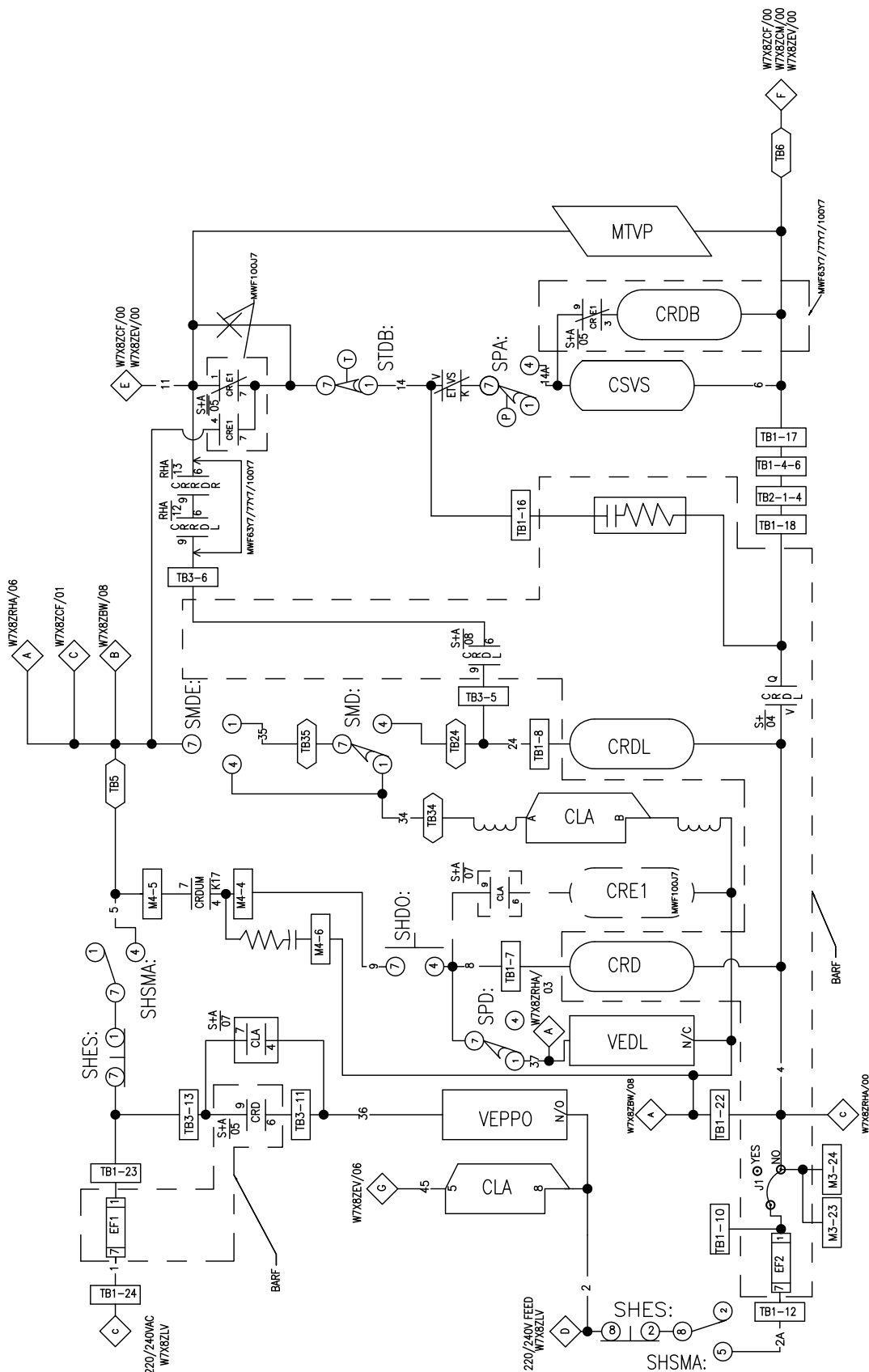
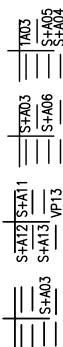


# W7X8ZRHAP

PELLERIN MILNOR CORPORATION

2020392A





00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16

MWF45Z8, 63Z7, 77Z7, 100Z/Y7  
start circuit  
Circuito de partida

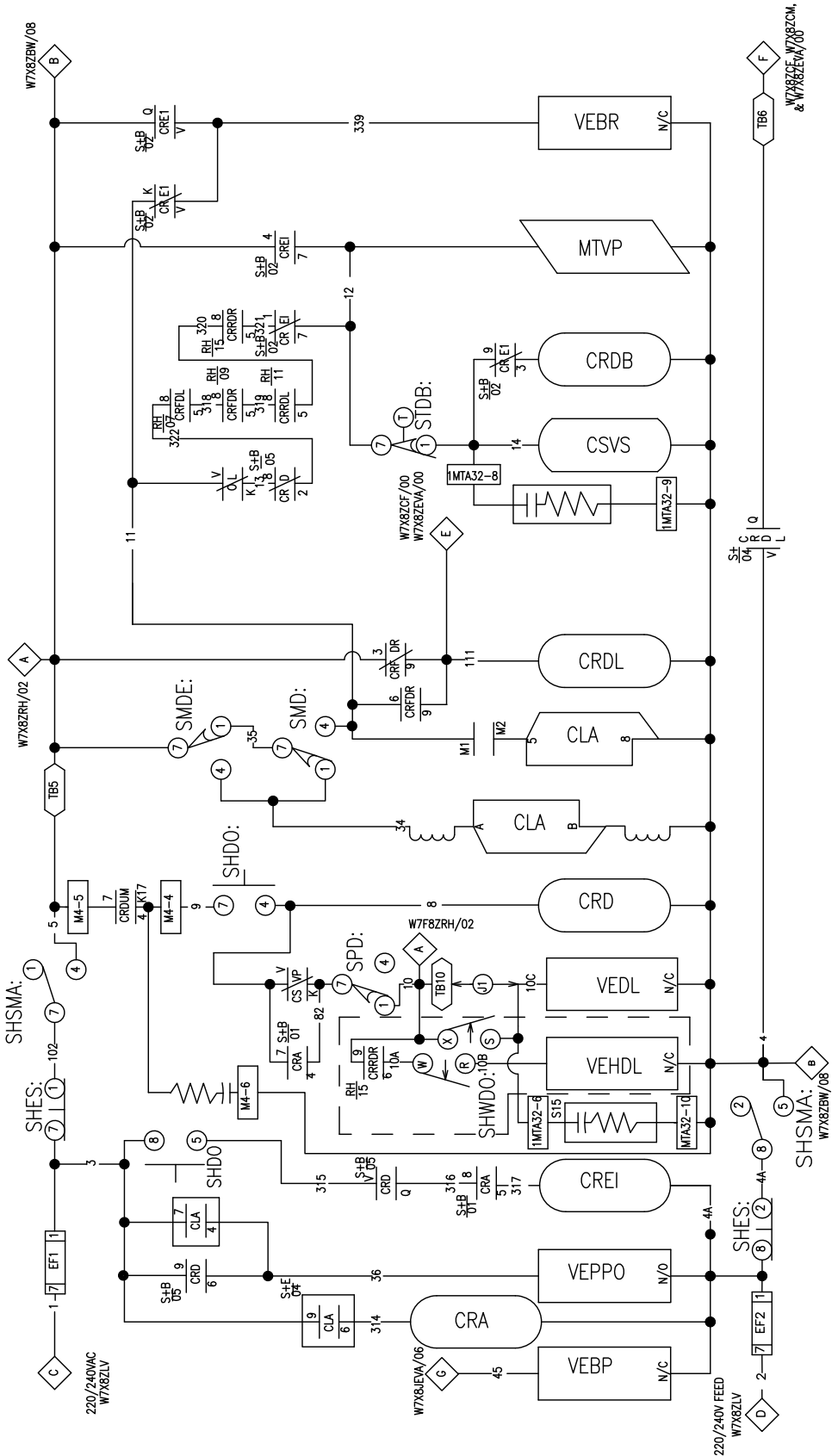
# W7X8ZS+AP

PELLERIN MILNOR CORPORATION

2019034A



48040F7D  
 start circuit  
 Circuito de partida



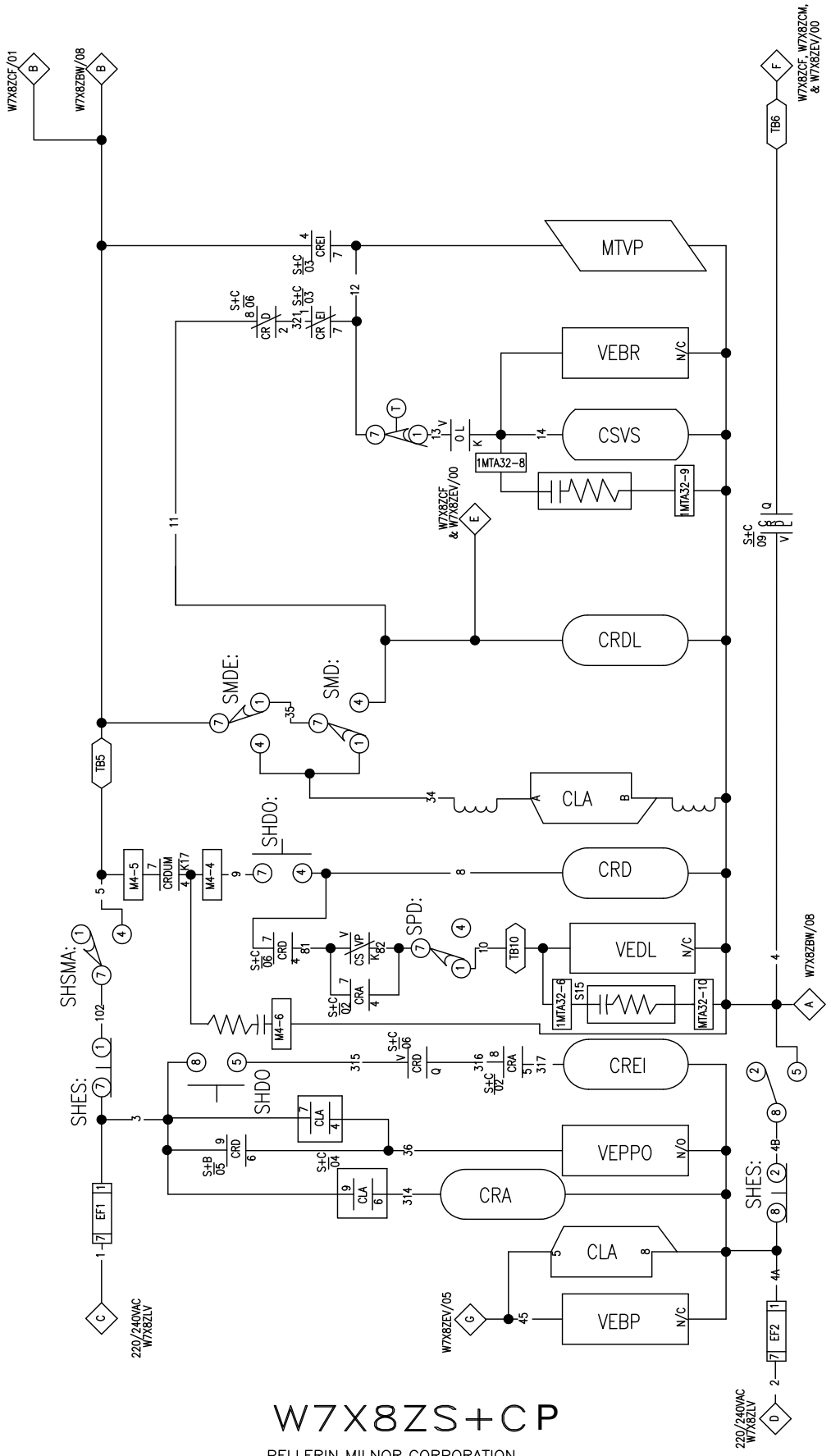
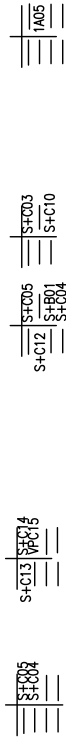
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# W7X8ZS+BP

PELLERIN MILNOR CORPORATION



48040F7Z  
start circuit  
Circuito de partida



# W7X8ZS+CP

PELLERIN MILNOR CORPORATION

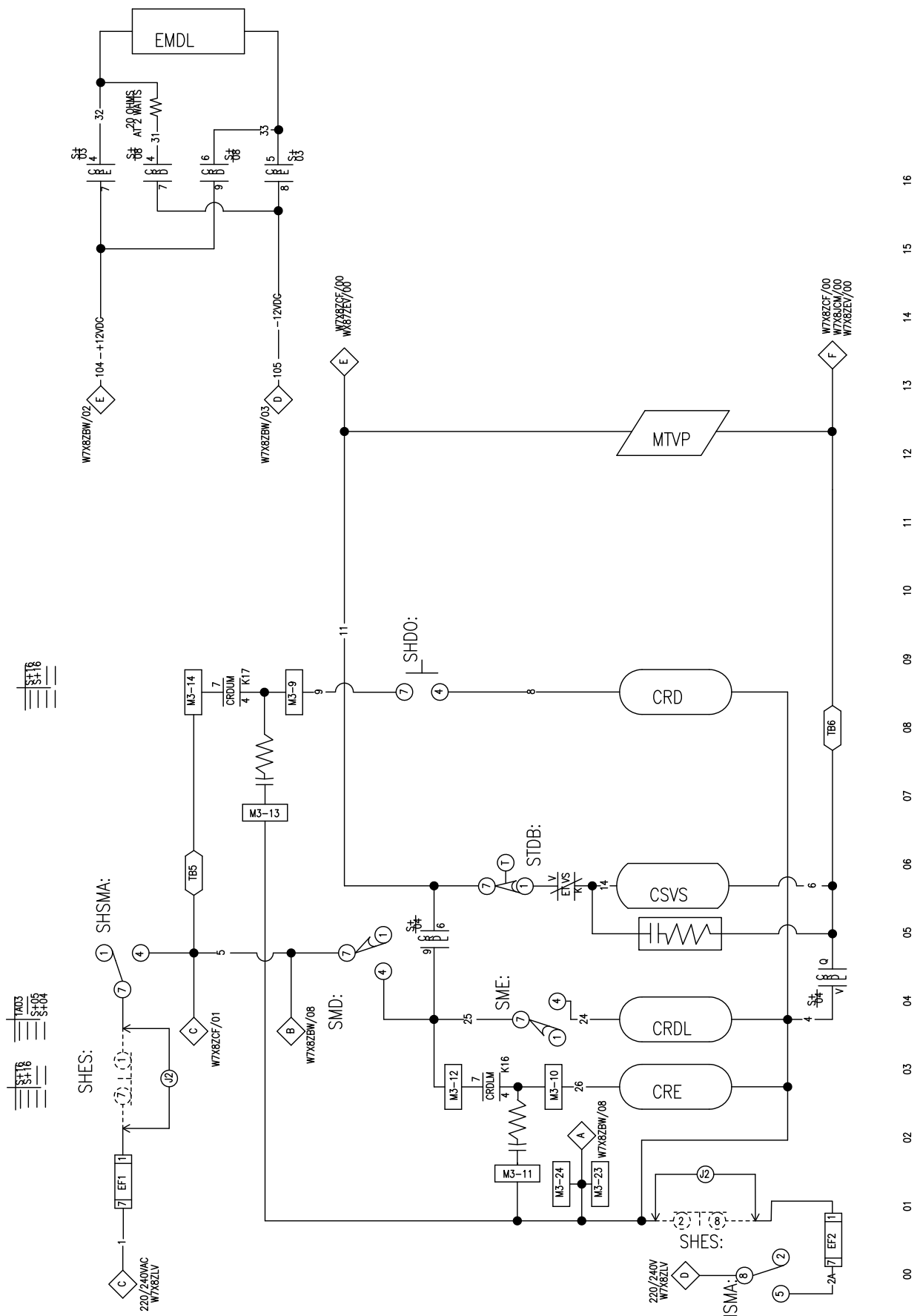
2020392A

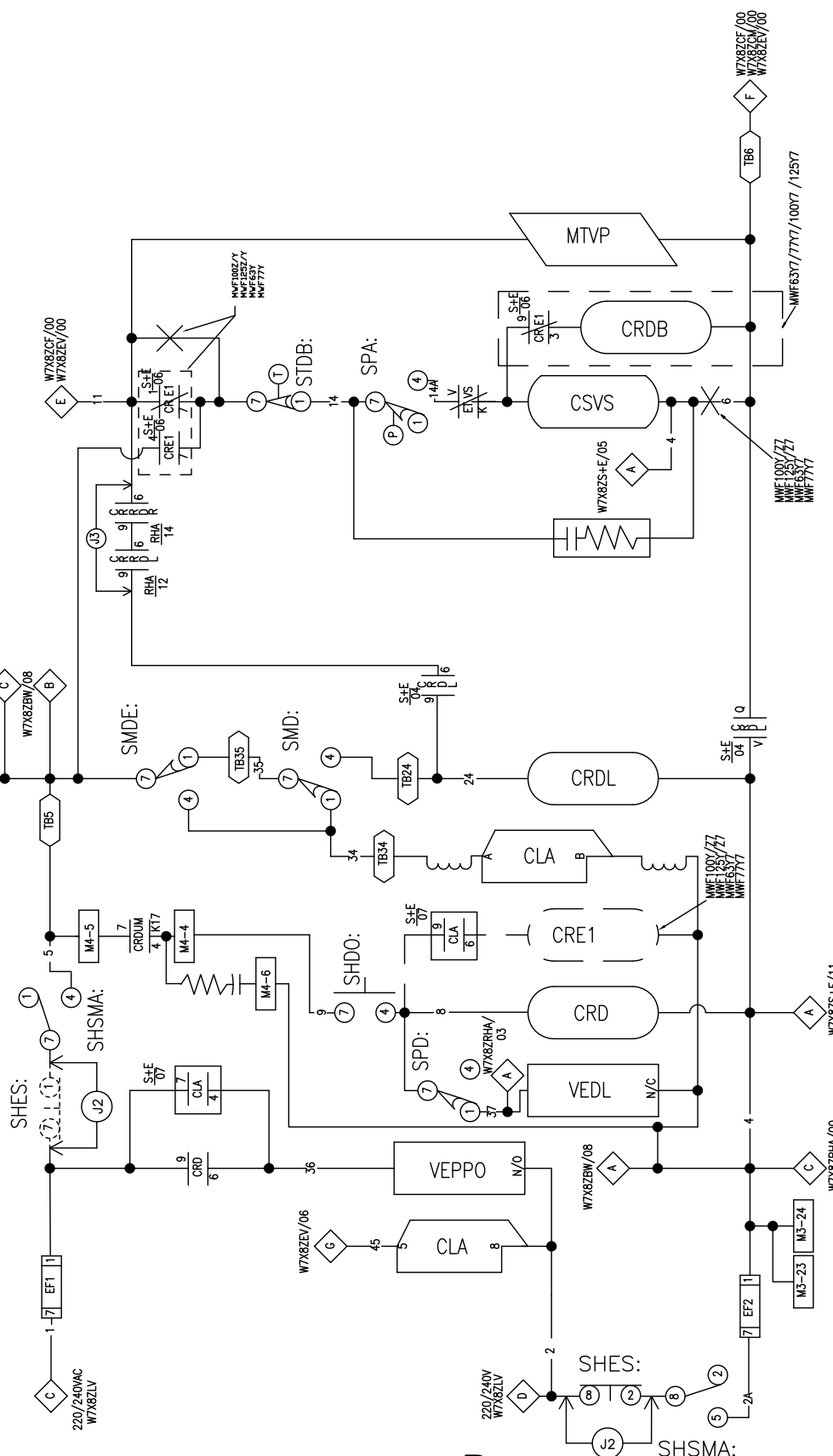
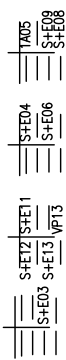
MWF18/2728  
 start circuit no fuse board  
 Circuito de partida

# W7X8ZS+DP

PELLERIN MILNOR CORPORATION

2021073A





00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16

MWF45Z8, 63Z7, 77Z7, 100Z/Y7, 125Z/Y7  
 start circuit, no fuse board  
 Circuito de partida

# W7X8ZS+EP

PELLERIN MILNOR CORPORATION

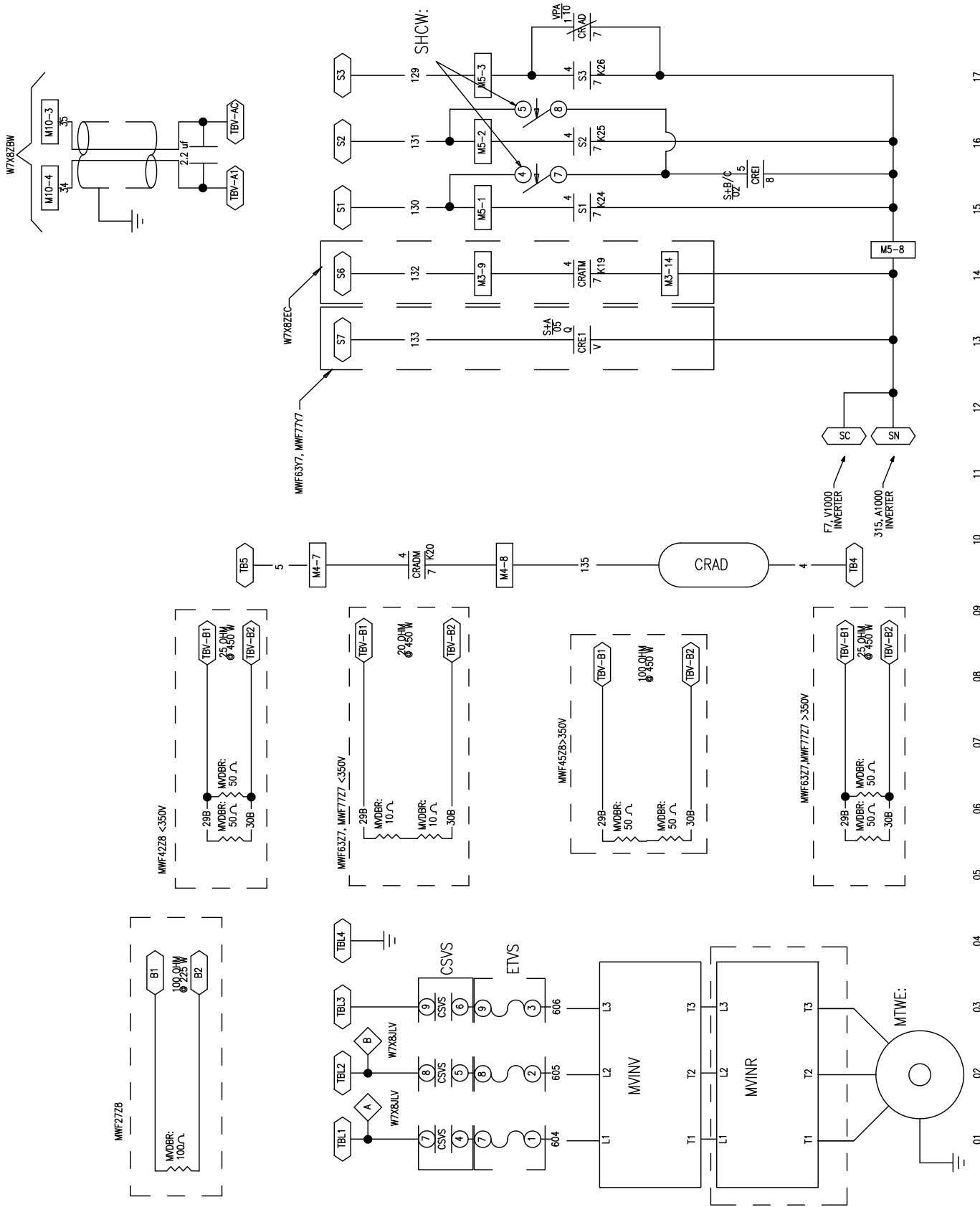
2020392A

MWF18/27/45Z8, 63/77Z/Y7  
 inverter  
 逆变器  
 inverter

# W7X8ZVPAX

PELLERIN MILNOR CORPORATION

2024473A



MWF100-125Z/Y7, 48040F7D/Z  
inverter  
inversor

# W7X8ZVPBP

PELLERIN MILNOR CORPORATION

2021332A

