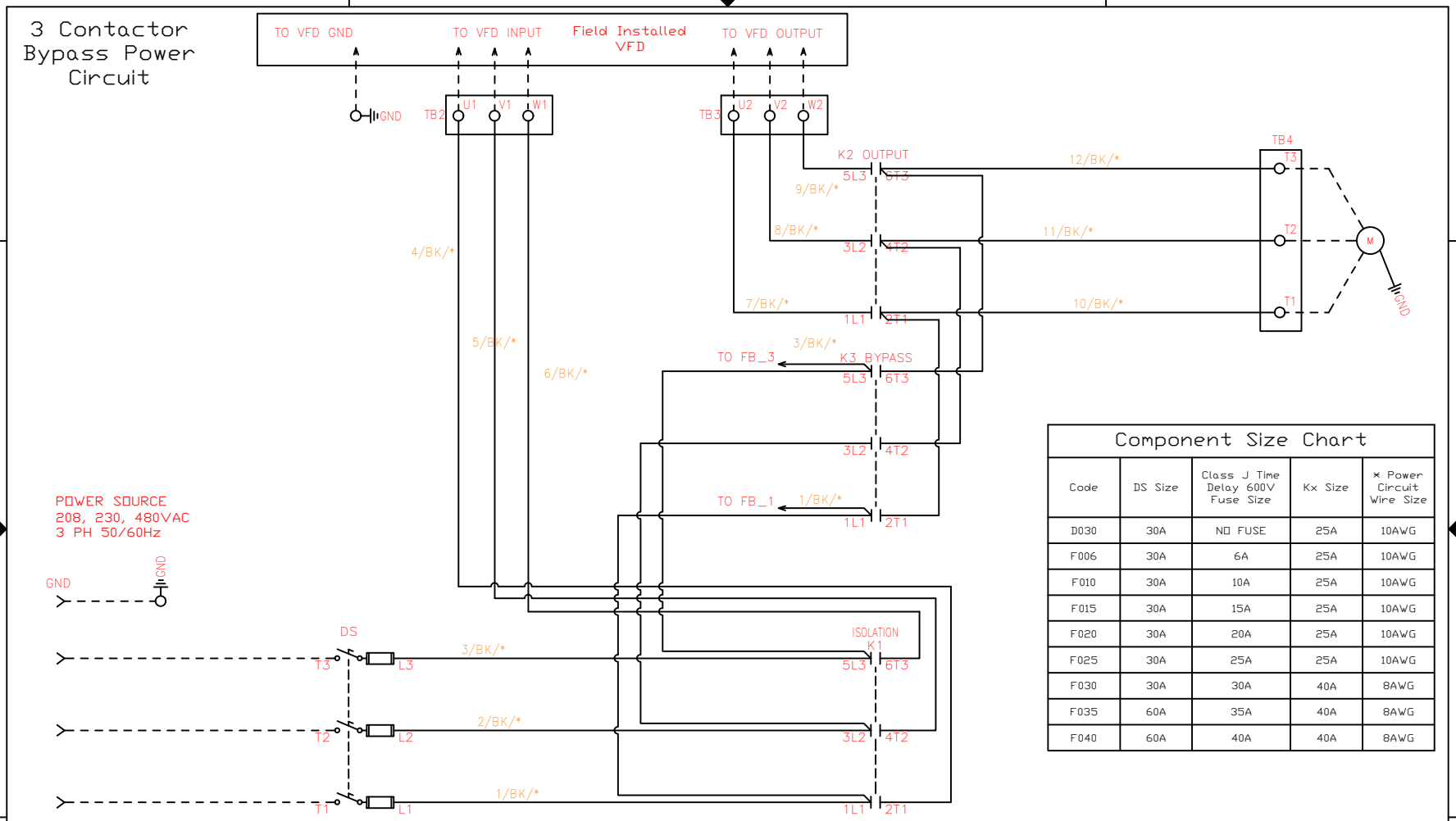
3 Contactor Bypass Power Circuit



Component Size Chart

Code	DS Size	Class J Time Delay 600V Fuse Size	Kx Size	* Power Circuit Wire Size
D030	30A	NO FUSE	25A	10AWG
F006	30A	6A	25A	10AWG
F010	30A	10A	25A	10AWG
F015	30A	15A	25A	10AWG
F020	30A	20A	25A	10AWG
F025	30A	25A	25A	10AWG
F030	30A	30A	40A	8AWG
F035	60A	35A	40A	8AWG
F040	60A	40A	40A	8AWG

NOTES:

- USE UL 1015 VW-1 600V MTW 75°C SOLID OR STRANDED COPPER CONDUCTORS.
- INDIVIDUAL WIRES TO BE IDENTIFIED WITH SHRINKABLE WIRE MARKERS.
- 24-8AWG WIRES TO HAVE THE PROPER FERRULE. ALL OTHERS WILL BE BARE WIRE ENDS.
- ALL WIRES THAT CROSS OVER THE DOOR HINGE MUST BE PROTECTED WITH THE APPROPRIATE SIZE OF SPIRAL WRAP.
- ALL GROUNDING WIRE IS 14AWG GREEN UNLESS OTHERWISE SPECIFIED.
- TB5 IS A CLASS 1 CONTROL CIRCUIT.
- INTENDED FOR USE WITH VFDs CORRESPONDING TO CATEGORY CONTROL NUMBER NMMS. THE VFD MUST BE INSTALLED ACCORDING TO ITS CORRESPONDING INSTALLATION INSTRUCTIONS, INCLUDING PROPER FUSE SELECTION WHERE APPLICABLE, AND THE RATED SCCR OF THE VFD MUST MEET OR EXCEED THAT OF THE PANEL.

LEGEND:

- TERMINAL POINT: X
- FACTORY WIRED:
- FIELD WIRED:
- JUMPER:
- WIRE#/WIRE COLOR/WIRE AWG.
- BLACK=BK, GREY=GY, BROWN=BN, GREEN=GN, RED=RD, YELLOW=Y, BLUE=BL, ORANGE=OG, WHITE=WH.

ENCLOSURE
/GN/14
DOOR

REV	DATE	DESCRIPTION	CHGD BY	APVD BY
1	3/21/25	Released		CB

REVISION HISTORY

UNLESS NOTE: X.X +/- 0.030 [0.00] X.XX +/- 0.010 [0.25] X.XXX +/- 0.005 [0.13] X.XXXX +/- 0.001 [0.03] ANGLES +/- 0.5 DEG UNLESS OTHERWISE SPECIFIED

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Units: in [mm]
Drawn By: cbunnell
Modeled By: cbunnell
Approved By: cbunnell
Created On: 4/11/24

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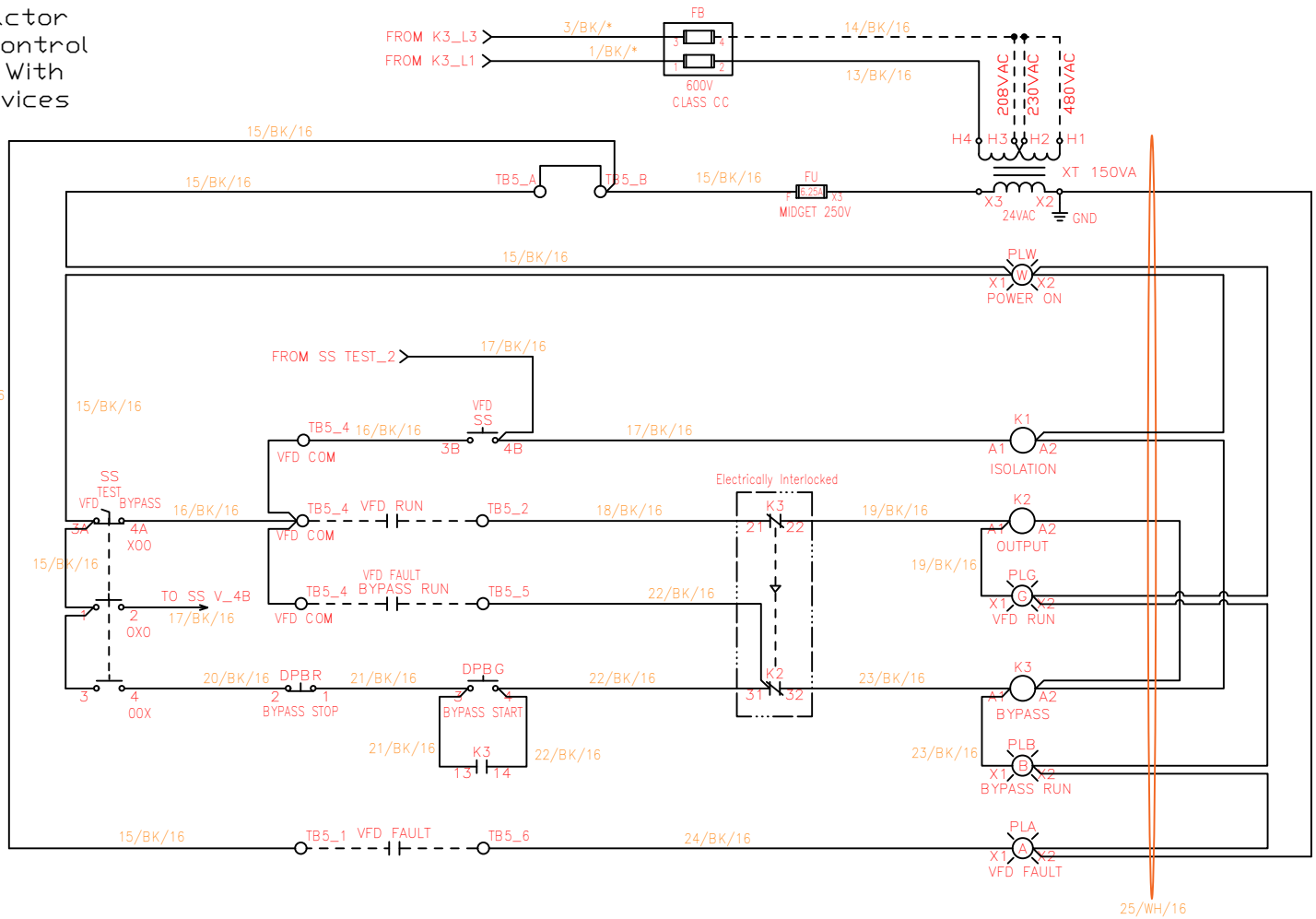
Description: ECP-BP3 Enclosure Power Circuit - Wiring Schematic, pg. 2

Rev #: 1 | Size: N/A | Scale: NTS | Part Number: 12E00155

3 Contactor Bypass Control Circuit With Pilot Devices



NOTES:

- USE UL 1015 VW-1 600V MTW 75°C SOLID OR STRANDED COPPER CONDUCTORS.
- INDIVIDUAL WIRES TO BE IDENTIFIED WITH SHRINKABLE WIRE MARKERS.
- 24-8AWG WIRES TO HAVE THE PROPER FERRULE. ALL OTHERS WILL BE BARE WIRE ENDS.
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LEGEND:

- TERMINAL POINT: X
- FACTORY WIRED:
- FIELD WIRED:
- JUMPER:
- WIRE#/WIRE COLOR/WIRE AWG.
- BLACK=BK, GREY=GY, BROWN=BN, GREEN=GN, RED=RD, YELLOW=Y, BLUE=BL, ORANGE=OG, WHITE=WH.

Component Size Chart

Code	FB Fuse Size
208V3P	1.00A
230V3P	1.00A
460V3P	0.50A

REV	DATE	DESCRIPTION	CHGD BY	APVD BY
1	3/21/25	Released		cb

REVISION HISTORY

UNLESS OTHERWISE SPECIFIED: X.X +/- 0.010 [0.25]; X.XX +/- 0.010 [0.25]; X.XXX +/- 0.005 [0.13]; X.XXXX +/- 0.001 [0.03]; ANGLES +/- 0.5 DEG

Units: in [mm]
Drawn By: cbunnell
Modeled By: cbunnell
Approved By: cbunnell
Created On: 4/11/24

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P.O. BOX 496 BEAVER, PA 15009 www.c3controls.com

Description: ECP-BP3 Enclosure Control Circuit With Pilot devices - Wiring Schematic, pg. 6

Rev #: 1 | Size: N/A | Scale: NTS | Part Number: 1EC0015S

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