



NOTE: SEE ASSEMBLY SHEET DRAWING FOR INSTRUCTIONS ON ASSEMBLY, PARTS LIST AND SPECIFICATIONS

DATE	BY	APPROVAL
		DESIGN REVIEW
		FDR MANUFACTURING
		AS SHIPPED
		AS COMMISSIONED

REV.	DATE	BY	ECN/CR. NO.

**Rockwell
Automation**

TITLE
BATTERY POWER DISTRIBUTION TERMINAL STRIP

DR. BY CK&DD
DATE 09/28/06

CHK. BY TLS
DATE 09/28/06

ENG.
DATE

DWG. NO. **FIRST-BPDS-001**

NEXT SH.

SH. NO.

Battery Power Distribution Terminal Strip

Assembly Instructions – See Assembly Drawing FIRST-BPDTS-001

- 1) Cut the DIN rail [199-DR1] to the desired length. (5.5” minimum for the 8 terminal assembly)
- 2) Mount the DIN rail to the final mounting location using two or more mounting screws.
- 3) Mount the first end anchor [1492-EAHJ35] at one end of the DIN rail and tighten the retaining screw per the recommended torque.
- 4) Snap one end barrier [1492-EBJ16] onto a black terminal block [1492-J16BL] on the end with the exposed metal parts.
- 5) Install the black terminal block with end barrier from step 4 tight up against the end anchor from step 3.
- 6) Making sure the orientation of the additional black terminal blocks [1492-J16BL] are all facing the same direction, snap three more black terminal blocks onto the DIN rail and slide tight up against the first black terminal block from step 5.
- 7) Mount the second end anchor [1492-EAHJ35] tight against the four black terminal blocks from step 6 and tighten the retaining screw per the recommended torque.
- 8) Snap one end barrier [1492-EBJ16] onto a red terminal block [1492-J16RE] on the end with the exposed metal parts.
- 9) Install the red terminal block with end barrier from step 8 tight up against the end anchor from step 7.
- 10) Making sure the base orientation of the additional red terminal blocks [1492-J16RE] are all facing the same direction as each other and facing the same direction as the black terminal blocks, snap three more red terminal blocks onto the DIN rail and slide tight up against the first red terminal block from step 9.
- 11) Mount the third end anchor [1492-EAHJ35] tight against the four red terminal blocks from step 10 and tighten the retaining screw per the recommended torque.
- 12) Screw the 4 pole center jumper [1492-CJJ12-4] onto the top center of the black terminals making sure to carefully tighten all four screws per the recommended torque.
- 13) Screw the 4 pole center jumper [1492-CJJ12-4] onto the top center of the red terminals making sure to carefully tighten all four screws per the recommended torque.
- 14) The assembly is now complete.
- 15) The assembly may be shortened as desired by removing the extra terminals and cutting the DIN rail and the center jumper bar(s) to the desired length(s).

Battery Power Distribution Terminal Strip

Maximum Wire Size and Max Quantity Allowed per 1492-J16xx Terminal

- 1 - #6 or
- 1 - #8 or
- 2 - #10 or
- 3 - #12 or
- 4 - #14 or
- 4 - #16

Recommended Screw Tightening Torque

- 1492-J16 terminal blocks – 17.7 to 35.4 lb-in. (2.0 to 4.0 Nm)
- 1492-EAHJ35 end anchors - 10.6 to 14.2 lb-in (1.2 to 1.6 Nm)
- 1492-CJJ12-4 center jumper - 10.6 lb-in (1.2 Nm)

Bill of Materials

- | | |
|------------------|-------------------------|
| 4 - 1492-J16BL | black terminal blocks |
| 4 - 1492-J16RE | red terminal blocks |
| 3 - 1492-EAHJ35 | end anchors (gray) |
| 2 - 1492-EBJ16 | end barrier (gray) |
| 2 - 1492-CJJ12-4 | center jumper (yellow) |
| 1 - 199-DR1 | DIN metal mounting rail |

