HIDDEN BEHIND ENCLOSURE

TORQUE TO 39 IN-LB (4.4 NM) WITH 41MM WRENCH/SOCKET
(YAI STANDARD UES00071 TABLE 5.1.1 FOR M6)

TORQUE TO 10 IN-LB (1.2 NM) WITH 7MM SOCKET
(YAI STANDARD UES00071 TABLE 5.1.1 FOR M4)

TORQUE TO 44 IN-LB (5 NM) WITH A 70MM WRENCH/SOCKET

ITEM PART NUMBER DESCRIPTION QTY.
1 MTLSR-070947 ENCLOSURE, HINGED DOOR, NEW CR1500 1
2 USC-1574 STO, INS, M6x1.0, F-F, 35 L 2
3 USC-1514 NUT, HEX, M6x1.0, STL, ZP, 10 WS, SEMS, EXT STAR 4
4 ELC-090049 GROUND BAR, 20 CIRCUIT 1
5 ELC-090048 GROUND BAR, 12 CIRCUIT 1
6 HDW-300179 NUT, HEX, M4x0.7, STL, ZP, 7 WS, SEMS, EXT STAR 4
7 MTLSR-070971 INSULATION SHEET, FUSE BAR, CR1500 1
8 ELC-100317 VENT, GORE, M32 X 1.5, GREY 1
9 ELC-100318 VENT, GORE VENT, M32 X 1.5, GREY 1

RoHS
REACH
COMMERCIAL CONFIDENTIAL
### Table

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<th>DESCRIPTION</th>
<th>QTY.</th>
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<td>7</td>
<td>HDW-300179 NUT, HEX, M4x0.7, STL, ZP, 7 WS, SEMS, EXT STAR</td>
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<tr>
<td>11</td>
<td>87P11026 SWITCH, 250A, 2-POLE, 1500V</td>
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<td>12</td>
<td>MTLSR-070964 BUS BAR, OUTPUT, NEW CR1500</td>
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<td>13</td>
<td>N/A BOLT, HEX, M8x1.25, 25 L, SOCOMEC</td>
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<td>14</td>
<td>N/A WSHR, BV, M8, SOCOMEC</td>
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<td>15</td>
<td>N/A NUT, HEX, FLG, M8x1.25, SOCOMEC</td>
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<td>16</td>
<td>USF00178-X SHAFT, DC DISCONNECT, XGI 1500</td>
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<td>17</td>
<td>UBM-0025 DIN RAIL, 15MM DEEP, SPD, COMBINERS, XGI 1500</td>
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<tr>
<td>18</td>
<td>HDW-300176 NUT, HEX, M5x0.8, STL, ZP, 8 WS, SEMS, EXT STAR</td>
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</table>

#### Diagram

1. Torque to 10 in-lb (1.2 NM) with 7mm socket (YAI STANDARD UES00071 TABLE 5.1.1 FOR M4)
2. Torque to 160 in-lb (18 NM) with 13mm wrench and wrench
3. Torque to 120 in-lb (14 NM) with 10mm socket and wrench
4. Hidden behind bus bars

#### Notes
- SCALE 1:2
- SOLREN YAI SIZE-B, mm
- RoHS
- REACH
- CR1500-NN-FF
- DRAWING NUMBER: 0DOCR-071027
- SHEET 3 OF 5
- SCALE: 1/5
- COMMERCIAL CONFIDENTIAL
TORQUE TO 39 IN-LB (4.4 NM) USING A 10MM SOCKET (YAI STANDARD UES00071 TABLE 5.1.1 FOR M6)

TORQUE TO 160 IN-LB (18 NM) WITH 13MM SOCKET AND WRENCH HIDDEN BEHIND BUS BARS

TORQUE TO 39 IN-LB (4.4 NM) WITH #3 PHILLIPS (YAI STANDARD UES00071 TABLE 5.1.1 FOR M6)

TORQUE TO 5 IN-LB (0.6 NM) WITH #1 PHILLIPS

REFERENCE FOR STUD IN ENCLOSURE

ITEM PART NUMBER DESCRIPTION QTY.
4 USC-100423 NUT, HEX, M6x1.0, STL, ZP, 10 WS, SEMS, EXT STAR 1
101 N/A BOLT, HEX, M8x1.25, 25 L, SOCOMEC 2
14 N/A WSHR, BV, M8, SOCOMEC 2
15 N/A NUT, HEX, FLG, M8x1.25, SOCOMEC 2
18 HDW-300176 NUT, HEX, M5x0.8, STL, ZP, 8 WS, SEMS, EXT STAR 1
20 HLR000702 NUT, HEX, M10x1.5, CR1500 1
21 1000 BUSWIRE ASSEMBLY, 30 POSITIONS 1
22 USC00067-11 ASSEMBLY BUS WIRE, BARS, COVERS, LUGS, CR1500 2
23 ELC-100060 SURGE PROTECTION DEVICE, 1500V, CITEL 1
24 UTB-0244 BUS CLAMP, HEAVY DUTY, 35MM DIN, 9.5 WIDE, GRAY 2
25 WH-030539 WIRE, SPD, POS, NEW CR1500 1
26 WIH-030540 WIRE, SPD, NEG, NEW CR1500 1
27 UWR01459-1 CABLE, SPD, GND, DISCOM, XGI 1500 1

ITEM PART NUMBER DESCRIPTION QTY.
104 USC-020390 NUT, HEX, M6x1.0, STL, ZP, 10 WS, SEMS, EXT STAR 1
110 UTB-02450 BUSBAR, HEAVY DUTY, 35MM DIN, 6 HOLE, 1.5" L, GRAY 2
109 USC000743 FUSE HOLDER, 1000V, HERMAN AFTERMARKET 8
151 USC-000333 DIN RAIL, 15MM CTR, FUSE HOLDERS, COMBINERS, AGE, 1000V 1700MA
105 USC-000819 NUT, PHIL PAN, SEMS, M6x1.0, 20 L, STL, ZP, LW + FW 2

BILL OF MATERIAL

ASSEMBLY DRAWING,
NEW 250A CR1500

COMMERCIAL CONFIDENTIAL
TORQUE TO 20 IN-LB (2.2NM) WITH #2 PHILLIPS (YAI STANDARD UES00071 TABLE 5.1.1 FOR M5)

TORQUE TO 20 IN-LB (2.2NM) WITH 8MM SOCKET (YAI STANDARD UES00071 TABLE 5.1.1 FOR M5)

TORQUE TO 39 IN-LB (4.4NM) WITH 10MM SOCKET (YAI STANDARD UES00071 TABLE 5.1.1 FOR M6)

TORQUE LATCH SCREW TO 90 IN-LB (10 NM) WITH 10MM SOCKET

TORQUE CAM NUT TO 177 IN-LB (20 NM) WITH 27MM SOCKET

SLOT IN CAM AND LATCH MUST VISUALLY  
CONTACT TOWARDS  
EDGE WHEN CLOSED

ENSURE CAM/LATCH  
POINTED TOWARD  
EDGE WHEN CLOSED

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<th>PART NUMBER</th>
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<td>WRP-071842</td>
<td>WAVE, CONCEALED, TAPP APPEAR SS</td>
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<td>USC-71487</td>
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<td>UHL00008</td>
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<td>DOCR-070595</td>
<td>LABEL, AMERICAN FLAG</td>
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<td>EM-000701001</td>
<td>CAM, SLOTTED, 1/4 TURN, SS</td>
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<td>37</td>
<td>ES-0011</td>
<td>CAM CATCH, SS</td>
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