

# INSTRUCTION SHEET



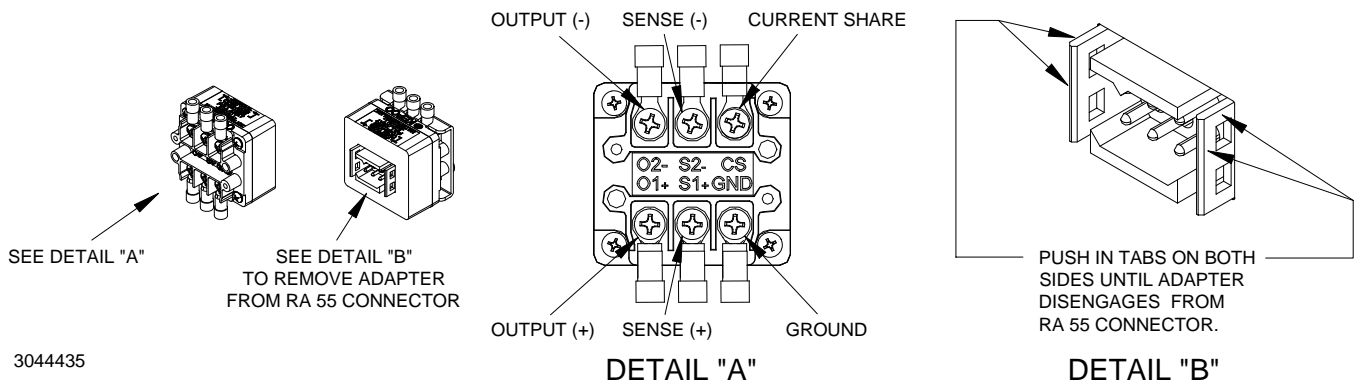
**KEPCO** An ISO 9001 Company.

**KIT  
219-0618**

## RA 55 CONNECTOR ADAPTER KIT

### 1. DESCRIPTION

This kit provides an adapter (see Figure 1) which converts the 6-pin Load Connector at the rear of the RA 55 Rack Adapter to terminals with pre-installed lugs using 6-32 screws (for 0.312 inch maximum ring diameter), for connection to a load. See Figure 4 for outline dimensions. The adapter (KIT 219-0618 Rev 3 and higher) does not include open sense protection.



**FIGURE 1. KIT 219-0618 ADAPTER**

### 2. MATERIAL SUPPLIED (SEE TABLE 1.)

Table 1 lists the contents of this kit and a description of each component.

**TABLE 1. MATERIAL SUPPLIED**

ITEM	DESCRIPTION	KEPCO PART NO.	QUANTITY
Safety Cover	Plastic cover to protect against inadvertent contact with DC load connections	137-0170	1
Bottom Cover	Part of adapter assembly	137-0169	1
PCB Assembly	Part of adapter assembly	236-3364	1
Top Cover	Part of adapter assembly	137-0164	1
Snap-on Rivet	Attach Safety cover to adapter	106-0048	2
Ring Lug	#6, 16 - 14 AWG (TE Connectivity P/N 640907-1 )	107-0224	6
Screw	SEMS, 6-32 x 3/8", Pan Head with Split Lock	101-0588	6
Screw	PHPH, 4-24 x 0.375 ST. Type B	101-0395	6
Instruction Sheet	Contains instructions for installing KIT 219-0618 components	228-1923	1

### 3. INSTALLATION

Installation of the adapter is as follows (see Figure 2).

1. Remove pre installed screw(s) and lugs from adapter.
2. Crimp wires or pre-wired harness to lugs. See Figure 1 for terminal functions.

CAUTION: Substituting screws with different specifications than noted in Figure 2 will damage the adapter

3. Install lugs on screws and attach screws to adapter terminals. **CAUTION: Refer to Figure 3 for torque values and instructions to avoid possible damage to the connector.**

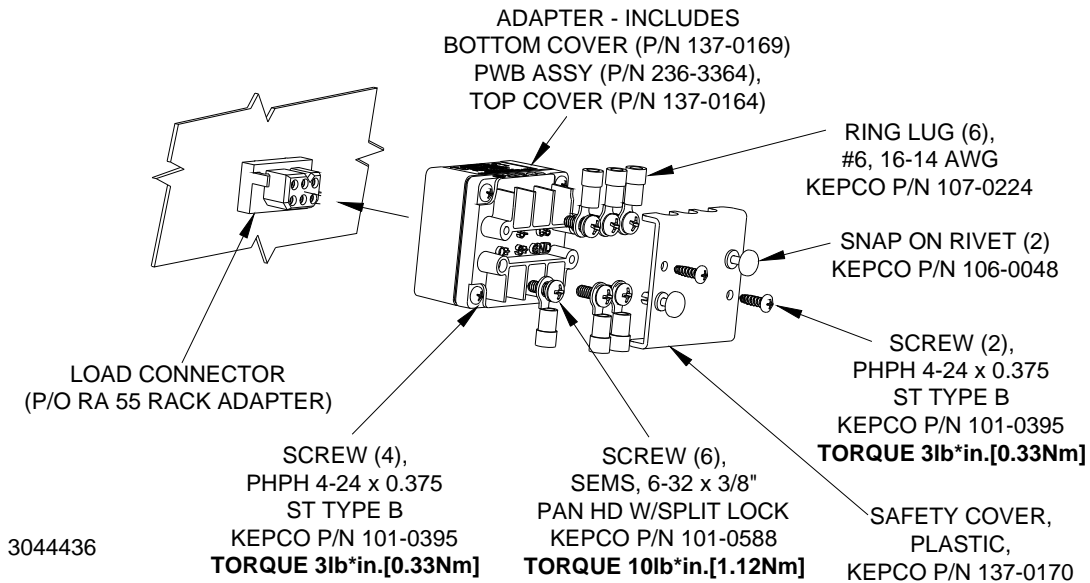


FIGURE 2. KIT 219-0618 INSTALLATION

CAUTION:

- HOLD RING LUG BARREL FIRMLY WHILE TORQUING MOUNTING SCREW TO PREVENT ROTATION OF THE RING LUG.
- IF THE RING LUG ROTATES WHILE TIGHTENING SCREW, THE PLASTIC BARRIER TAB CAN BREAK.

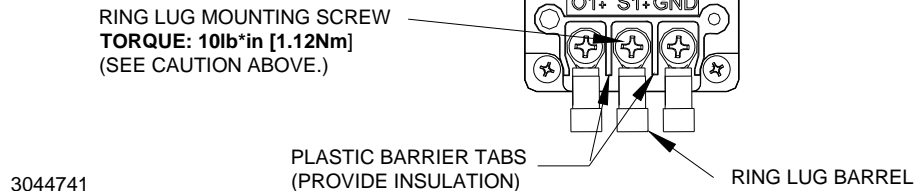


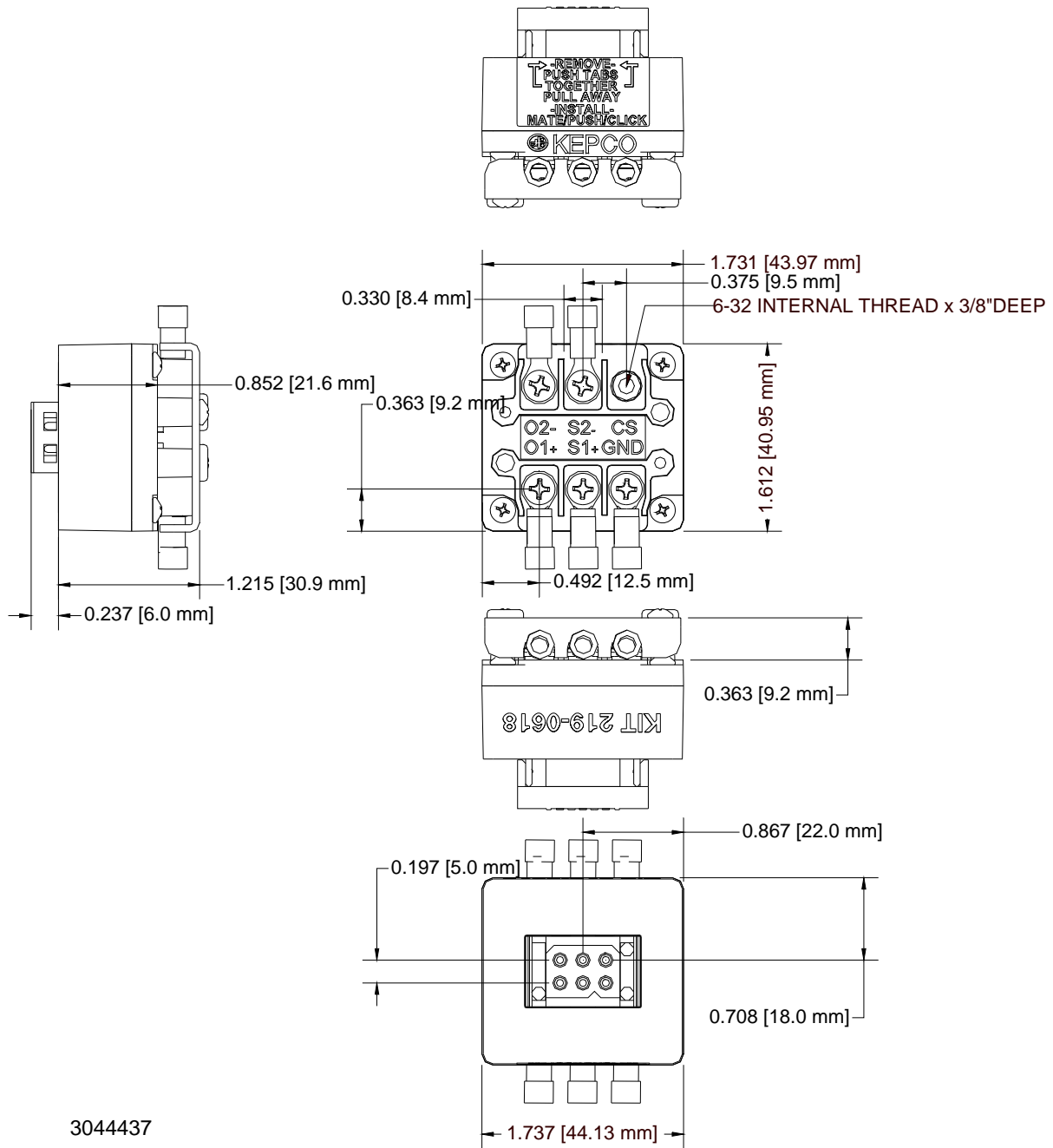
FIGURE 3. RING LUG TORQUE PROCEDURE

4. After all lugs are installed, carefully line up adapter with load connector of RA 55 rack adapter, then push adapter until it clicks into the fully engaged position on RA 55 connector.
5. If present, first remove protective film from safety cover then, if desired, install optional safety cover using either two screws or two snap-on rivets (or both) to secure safety cover to adapter.

#### 4. DISASSEMBLY

Wires may be removed and installed with the adapter either mated to or separated from the RA 55 load connector. Kepco recommends installing wires on the adapter before mating to the RA 55 load connector.

If removal of the adapter is necessary, pull the adapter away from the RA 55 load connector while simultaneously pushing in both tabs of the adapter as shown in Figure 1, detail "B." When the RA 55 connector disengages from the corresponding holes of the adapter, pull the adapter away from the RA 55 load connector.



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FIGURE 4. KIT 219-0618 ADAPTER, OUTLINE DIMENSIONS