



Cage Clamp Terminal Technology

Description

Mount it and wire it!

- Savings in wiring of up to 40%
- Up to 75% faster connection
- Flexibility for retrofitting

General

Connect wires without screws and without wasted time and inconvenience. SIRIUS 3R is taking a huge step into the future with the new Cage Clamp technology available on Cage Clamp versions of the SIRIUS 3R components and accessories.

Benefits

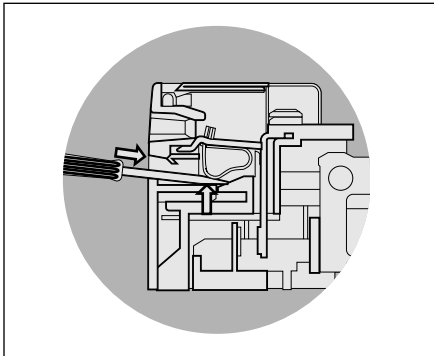
Screws are no longer needed when wiring devices with Cage Clamp terminals. As shown in the diagrams below, all you do is insert your wire and you're ready to operate. The Cage Clamps work with standard stranded copper cables and require no special wire terminations or wire tinning. Cage Clamp terminals provide maintenance free operation throughout the life of the product. It is no longer necessary to regularly check the connections in your panel for proper torque as with screw

terminals. Also, less time is needed for updating existing installations since there is a separate terminal for a second conductor at each point.

Cage Clamp terminals are especially beneficial in installations that are subject to vibration. Wires secured using cage clamp terminals do not have to be retightened after transporting a pre-assembled control panel because they do not employ screws to secure the wire.

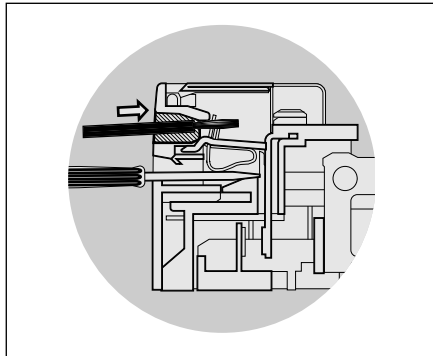
Cage Clamp STEP 1

Insert screwdriver and the spring opens.



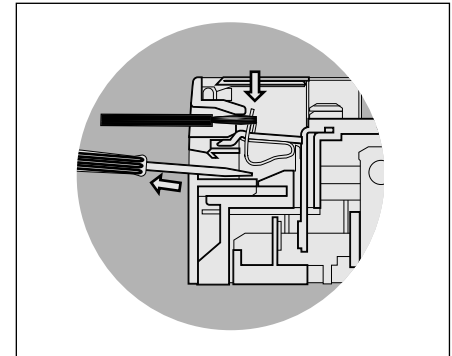
Cage Clamp STEP 2

Screwdriver holds the spring open, conductor is inserted.



Cage Clamp STEP 3

Pull out screwdriver, spring closes, conductor is secured.





Cage Clamp Terminal Technology

Description

3RT Contactors

3RT101 contactors are available with Cage Clamps on the main terminal connections as well as the auxiliary terminal connections. 3RT102, 3RT103, and 3RT104 contactors are available with Cage Clamps on the auxiliary terminals only. Accessories for the 3RT10 contactors are also available with Cage Clamp terminals.

3RU Overload Relays

3RU111 overload relays have Cage Clamp terminals on the main terminal connectors in addition to the NO and NC auxiliary contacts. Since the 3RU111 overload relay has Cage Clamp terminals on the line (contactor) side main terminals, it cannot be directly

mounted to the contactor; it must be separately mounted. The 3RU112, 3RU113, and 3RU114 overload relays have Cage Clamp terminals on the NO and NC auxiliary contacts. The load side main terminals are standard screw type, so these units can still be directly mounted to a contactor by means of the connecting bars.

3RV Motor Starter Protectors (MSP)

The 3RV101 MSP's have Cage Clamp terminals on all of the main terminal connections. Side mount auxiliary contact blocks are also available with Cage Clamp terminals. The 3RV102, 3RV103, and 3RV104 MSP's are not available with Cage Clamp terminals. However, the side mount auxiliary contact block with Cage Clamp terminals snaps onto

the larger three sizes in addition to the 3RV101 MSP.

3RH Control Relays & 3RP Timing Relays

The 3RH11 Control Relays and the 3RP10 Compact Timing Relays are available with Cage Clamps on all of the terminals. The 3RP15 Narrow Profile Timing Relays are available with screw terminals only.

