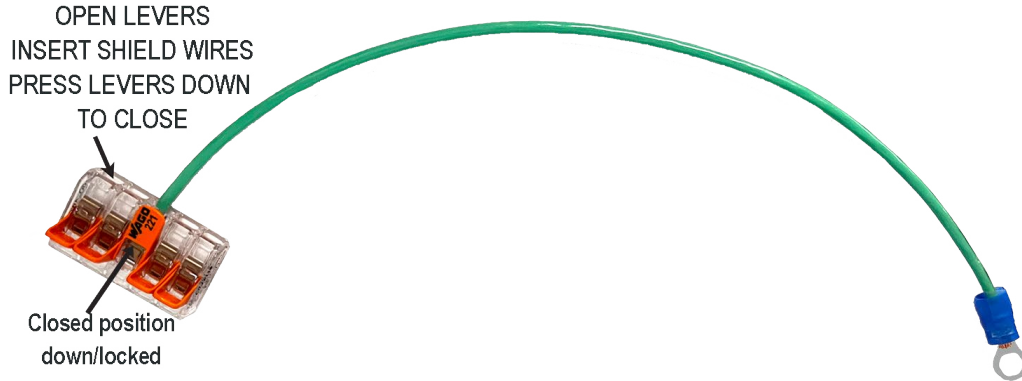




For Immediate Release

Released-10-27-2023

MCS-SHIELDWIRE-GROUNDING



MCS-SHIELDWIRE-GROUNDING connectors are installed in MCS Industrial Control Panels effective November 1st, 2023.

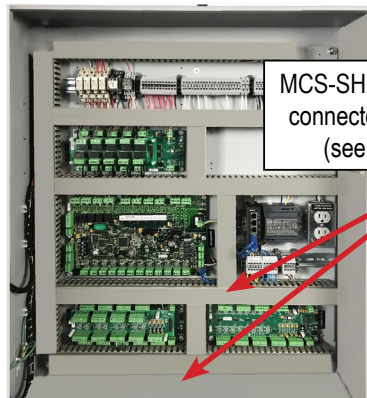
They should be used on all 12 volt MAGNUM or MicroMag installations to safely ground the sensor drain shield wires to eliminate stray electrical current, thereby helping to reduce line noise from the sensors to the controller.

MCS will be providing two (2) MCS-SHIELDWIRE-GROUNDING connectors with all MCS-SI-BASE, MCS-SI-EXT, MCS-IO-BASE, MCS-IO-EXT, and MCS-Magnum boards on the above effective date.

A separate MCS-SHIELDWIRE-GROUNDING-KIT can be purchased through an authorized MCS partner. The kit includes: Two multi-terminal splicing connectors with 9"- 16 awg wire with ring terminal.

See the back of this page for more information.

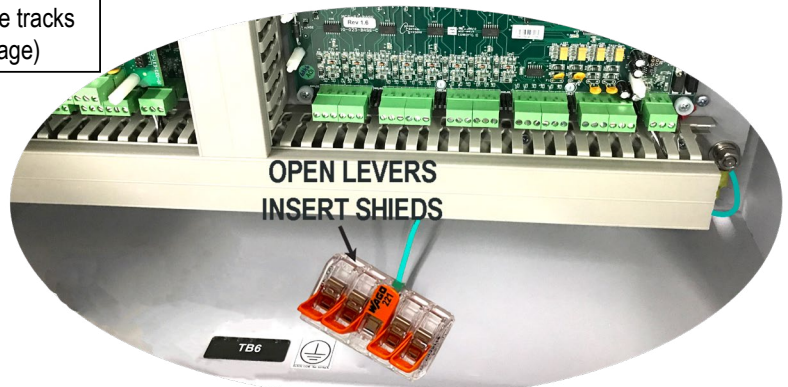
MCS Industrial Control Panel



MCS-SHIELDWIRE-GROUNDING connectors located in wire tracks (see photo on back page)



Make sure the MCS-SHIELDWIRE-GROUNDING connector is secured to an earth ground.



Continue to back of this page for more information

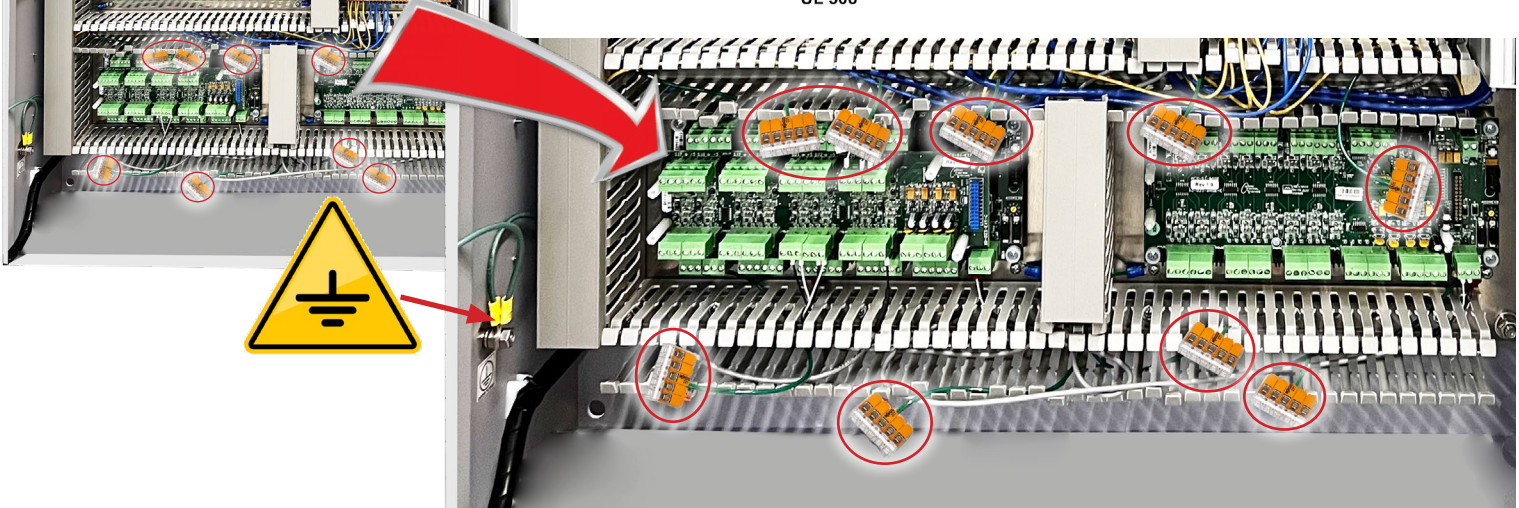
MICRO CONTROL SYSTEMS INDUSTRIAL CONTROL PANEL

MCS-SHIELDWIRE-GROUNDING connectors will begin shipping in MCS Industrial Control Panels after 11/01/2023.

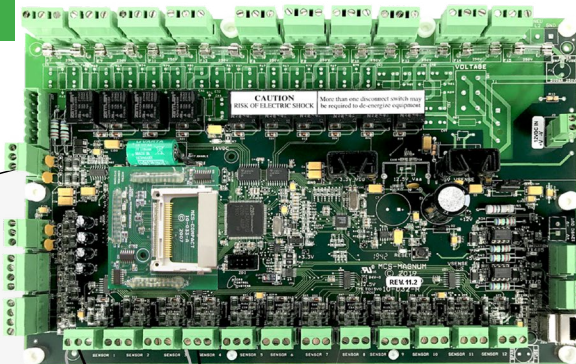
All sensor drain shields should be tied to earth ground not to the Magnum or SI boards.

The MCS-SHIELDWIRE-GROUNDING connectors help insure that sensor electrical noise is reduced when correctly installed in the panel.

Be sure to have a good earth ground wired to your control panel.



Correct Wiring for Sensor Drain Shields



Drain Shields twisted (2 or 3) to one wire and inserted into MCS-SHIELDWIRE-GROUNDING connector as shown above.

MCS-SHIELDWIRE-GROUNDING wire to good Earth Ground



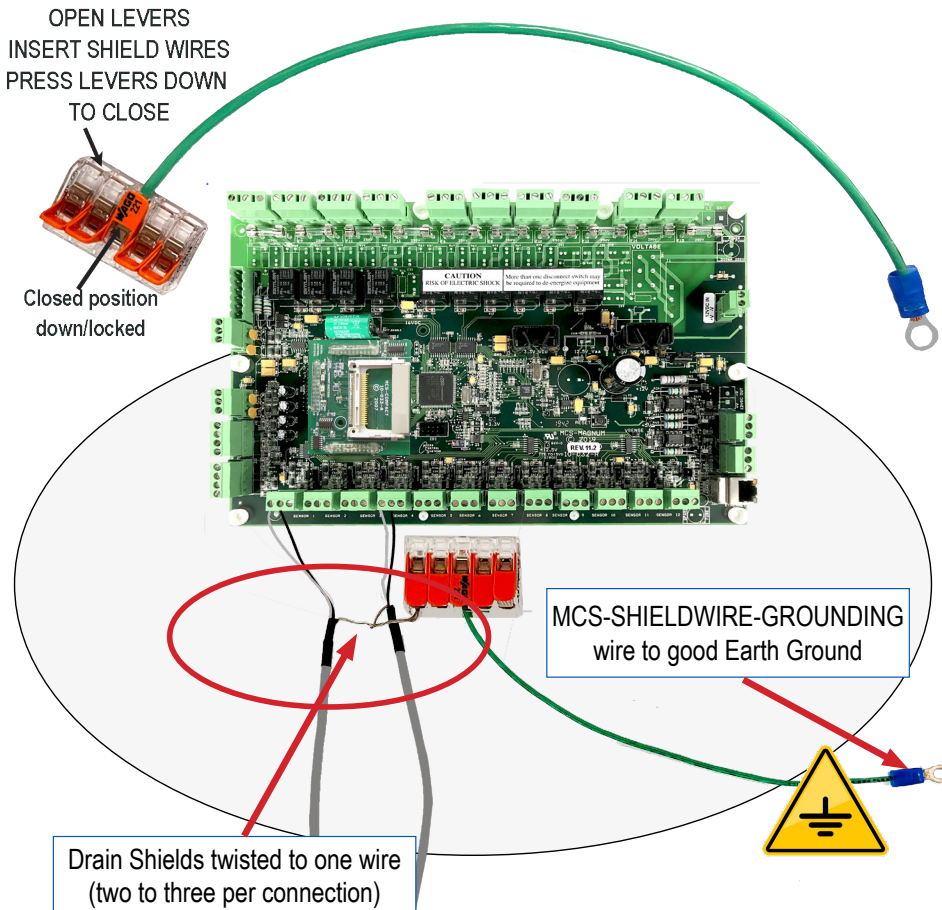


INSTALLING MCS-SHIELDWIRE-GROUNDING

When installing in an existing panel, confirm that there is a good earth ground in the panel prior to installing the shields.

Using the **MCS-SHIELDWIRE-GROUNDING** will help insure that sensor readings are not affected by electrical noise from other wiring. Always keep high voltage electrical wiring separate from sensor wiring.

Drain Shields can be twisted together (two to three per connection) and placed into one slot in the connector. Be sure to lock the connector lever and test your connection.



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