

Migration Solutions



Bulletin 1409 Arcing Ground Fault Detection System to E1 Plus Electronic Overload Relay, E300 Electronic Overload Relay or 857 Motor-Feeder Protection

Why Upgrade or Migrate

While the Bulletin 1409 Arcing Ground Fault Detection System has been a valuable part of our motor protection portfolio for many years, this product will no longer be available for sale after September 2016. Now is the time to migrate to one of the options below:

E1 Plus™ Electronic Overload Relay

- Self powered
- Allows wide current adjustment
- Adjustable trip class
- Three- and single-phase protection
- Side-mount expansion modules provide adjustable levels of protection and communication

E300™ Electronic Overload Relay

- Modular design for application customization with sensing, control, and communication modules
- Diagnostic information to monitor motor performance
- Logix integration with add-on profiles, add-on instructions, and faceplates

857 Motor-Feeder Protection

- Suitable for any system voltage to 450,000V
- Configurable front display
- Multiple protocol support
- Ideal for heavy industries



Bulletin 1409
Arcing Ground Fault
Detection System



E1 Plus Electronic
Overload Relay

OR



E300 Electronic Overload Relay

OR



857 Motor-Feeder
Protection

Identify, Mitigate and Eliminate the Risks of Automation Obsolescence

In today's economy, it is necessary to have migration solutions that help you to achieve increased productivity and lessen your risk of maintaining your legacy equipment. You need to work with a supplier that has the product, service, and industry knowledge to partner with you on an upgrade strategy that will help you maximize your competitive advantage.

Rockwell Automation and its partners will work with you to outline a plan that fits your application needs and long-term goals. We can help you migrate all at once or in phases, at the pace that is comfortable for you and fits your budget.

Product Lifecycle

Use the [Product Lifecycle Status](#) search tool on the web to find specific lifecycle information by catalog number.



- ACTIVE: Most current offering within a product category.
- ACTIVE MATURE: Product is fully supported, but a newer product or family exists. Gain value by migrating.
- END OF LIFE: Discontinued date announced – actively execute migrations and last time buys. Product generally orderable until the discontinued date.¹
- DISCONTINUED: New product no longer manufactured or procured.² Repair/exchange services may be available.

1 - Outages on specific items may occur prior to the Discontinued date. 2 - Limited stock may be available in run-out mode, regionally.

LISTEN.
THINK.
SOLVE.

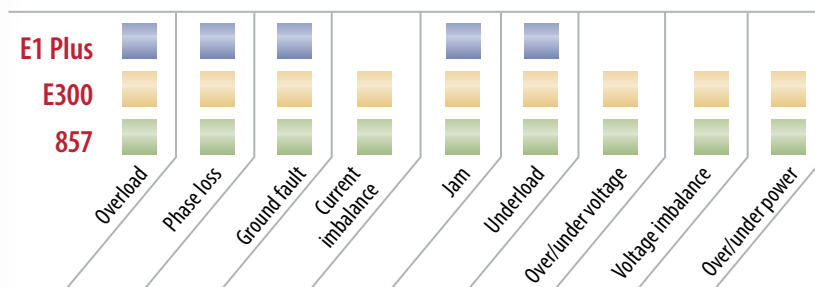
Bulletin 1409 Arcing Ground Fault Detection System compared to E1 Plus Electronic Overload Relay, E300 Electronic Overload Relay or 857 Motor-Feeder Protection

Catalog Number	Bulletin 1409 Description	Recommended Replacement	Replacement Description
1409-BO* 1409-CO* 1409-DO* 1409-EO* 1409-FO* 1409-GO*	<ul style="list-style-type: none"> 1...6 A ground fault protection range Form C output contact Fixed 50 ms time delay Integrated test circuit Intended for Class II systems with high current inhibit 	193-EE* + 193-EGF + 193-CBCT*	The E1 Plus electronic overload relay offers adjustable 20 mA...5 A ground fault protection with fixed 50 ms trip delay.
		193-ESM-IG* + 193-EIOGP* + 193-ECM-ETR + 193-CBCT*	The E300 electronic overload relay offers adjustable 20 mA...5 A ground fault protection with a programmable trip delay.
		857-3C6* + 825-CBCT or 193-CBCT*	The 857 medium voltage motor feeder protector offers four separately adjustable ground fault stages with programmable 4 ms...300 ms trip delay. The measurement range is 50 mA...800 A with the 825-CBCT and 5...8000 A with the 193-CBCT*.
1409-MV*	<ul style="list-style-type: none"> 1...6 A ground fault protection range Form C output contact Fixed 50 ms time delay Integrated test circuit Intended for Class I systems without high current inhibit 	193-ESM-IG* + 193-EIOGP* + 193-ECM-ETR + 193-CBCT*	The E300 electronic overload relay offers adjustable 20 mA...5 A ground fault protection with a programmable trip delay.
		857-3C6* + 825-CBCT or 193-CBCT*	The 857 medium voltage motor feeder protector offers four separately adjustable ground fault stages with programmable 4 ms...300 ms trip delay. The measurement range is 50 mA...800 A with the 825-CBCT and 5...8000 A with the 193-CBCT*.
1409-CBT*	<ul style="list-style-type: none"> Arcing ground fault sensor 	825-CBCT or 193-CBCT*	Core balanced ground fault sensor

Migration Options

E1 Plus to E300 and 857 Feature Comparison*

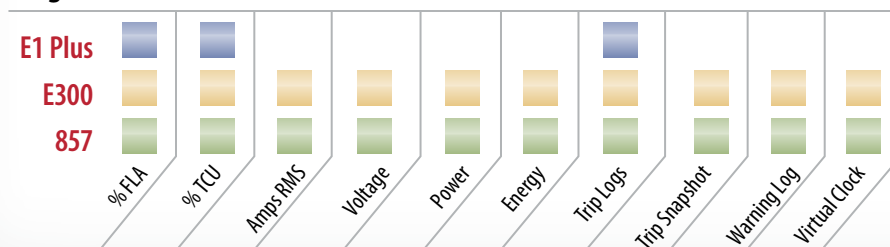
Protection Features



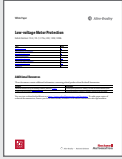
Integration Features



Diagnostics Features



* E1 Plus, EE model used in comparison charts.



Learn more about Motor Protection Solutions:

Low Voltage Motor Protection White Paper
193-WP008A-EN-P

http://literature.rockwellautomation.com/idc/groups/literature/documents/wp/193-wp008_-en-p.pdf



Motor Protection Solutions Family Brochure
193-BR029B-EN-P

http://literature.rockwellautomation.com/idc/groups/literature/documents/br/193-br029_-en-p.pdf



Local Distributor

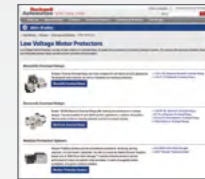
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The Connected Enterprise

Learn more about the Connected Enterprise transforms real-time data, from intelligent assets and multi-disciplined control from a plant, or a remote site into actionable information.

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Product Selection Toolbox

Our powerful range of product selection and system configuration tools assist you in choosing and applying our products.

www.rockwellautomation.com/en/e-tools



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