

Arc energy reduction solutions for group metering mains

Eaton's Arcflash Reduction Maintenance System™ enhances safety and helps customers meet 2017 National Electrical Code® requirements

Eaton's Arcflash Reduction Maintenance System for group metering main breakers enhances worker safety in multi-tenant residential and light commercial applications by reducing the arc flash potential while performing maintenance. With a reduction in arc flash hazard risk, workers may potentially use less personal protective equipment (PPE), improving mobility without sacrificing safety.

The Arcflash Reduction Maintenance System is an approved method to reduce clearing time as defined by NEC 240.87.

The Arcflash Reduction Maintenance System is designed to meet customer needs in multi-unit residential and light commercial building markets including:

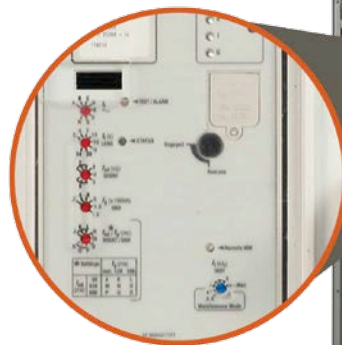
- Electrical contractors
- Consultants
- Specifiers
- Facility managers

System benefits

- Savings: Employing Arcflash Reduction Maintenance System does not require Incident Energy Study
- Compliance: AHJs agree Arcflash Reduction Maintenance System meets NEC 240.87
- Intended design: Temporary means for service that maintains coordination plans and reduces error

Improved safety

- The Arcflash Reduction Maintenance System provides accelerated instantaneous trip, reducing potential arc flash
- 310+ trip unit provides the fastest clearing times in the industry, with less arc energy
- Maintenance mode switch improves ease of use and accessibility for end users
- Increases worker mobility



Powering Business Worldwide

Main circuit breaker, Arcflash Reduction Maintenance System copper bus

Main ampere rating	Main circuit breaker type	Feed	kAIC	Line-side lug and wire sizes (lugs included with main breaker)	System voltage 120/240 Vac single-phase, three-wire catalog number	System voltage 120/208 Vac three-phase, four-wire catalog number
1000	NGS	Overhead	65	(4) 4/0–500 kcmil	1MCB1000RA	3MCB1000RA
1000	NGS	Overhead	65	(2) 500–750 kcmil	1MCB1000RA750	3MCB1000RA750
1000	NGS	Overhead	65	(4) 4/0–500 kcmil	1MCB1000RCA	3MCB1000RCA
1000	NGS	Underground	65	Compression lug pads	1MCB1000RCCLA	3MCB1000RCCLA
1000	NGS	Overhead	65	Crimp lug landing pads (no lugs included)	1MCBE1000RA	3MCBE1000RA
1000	NGH	Overhead	100	(4) 4/0–500 kcmil	1MHCB1000RA	3MHCB1000RA
1000	NGH	Underground	100	Compression lug pads	1MHCB1000RCCLA	3MHCB1000RCCLA
1000	NGH	Overhead	100	(4) 4/0–500 kcmil	—	3MCBE1000RCA
1000	NGH	Underground	100	(4) 4/0–500 kcmil	—	3MHCB1000RCA
1200	NGS	Overhead	65	(4) 4/0–500 kcmil	1MCB1200RA	3MCB1200RA
1200	NGS	Overhead	65	(2) 500–750 kcmil	1MCB1200RCA	3MCB1200RCA
1200	NGS	Underground	65	Compression lug pads	1MCB1200RCCLA	3MCB1200RCCLA
1200	NGS	Overhead	65	Crimp lug landing pads (no lugs included)	1MCBE1200RA	3MCBE1200RA
1200	NGS	Overhead	65	(2) 500–750 kcmil	—	3MCB1200RA750CA
1200	NGH	Overhead	100	(4) 4/0–500 kcmil	1MHCB1200RA	3MHCB1200RA
1200	NGH	Overhead	100	(4) 4/0–500 kcmil	1MHCB1200RCA	3MHCB1200RCA
1200	NGH	Overhead	100	Crimp lug landing pads (no lugs included)	1MHCBE1200RA	3MHCBE1200RA
1200	NGH	Underground	100	Compression lug pads	—	3MHCB1200RCCLA
1400	RGH	Bottom	100	(4) #500–1000 kcmil	1MCB1400RBCA	3MCB1400RBCA
1400	RGH	Bottom	100	(6) #2–600 kcmil	1MCB1400RBCA600	3MCB1400RBCA600
1400	RGH	Overhead	100	(4) #500–1000 kcmil	1MCB1400RTA	3MCB1400RTA
1400	RGH	Underground	100	Compression lug pads	1MCB1400RUGCCLA	3MCB1400RUGCCLA
1600	RGH	Bottom	100	(4) #500–1000 kcmil	1MCB1600RBCA	3MCB1600RBCA
1600	RGH	Bottom	100	(6) #2–600 kcmil	1MCB1600RBCA600	3MCB1600RBCA600
1600	RGH	Overhead	100	(6) #2–600 kcmil	1MCB1600RTA600	3MCB1600RTA600
1600	RGH	Overhead	100	(4) #500–1000 kcmil	—	3MCB1600RTA
1600	RGH	Underground	100	Compression lug pads	1MCB1600RUGCCLA	3MCB1600RUGCCLA
2000	RGH	Bottom	100	(6) #2–600 kcmil	1MCB2000RBCA	3MCB2000RBCA
2000	RGH	Overhead	100	(6) #2–600 kcmil	1MCB2000RTA	3MCB2000RTA
2000	RGH	Underground	100	Compression lug pads	1MCB2000RUGCCLA	3MCB2000RUGCCLA

Note: 1200 A or greater main devices must be center fed when installing 800 A residential meter stacks. 1400, 1600 and 2000 A main devices must be center fed when installing 800 and 1200 A residential and commercial meter stacks.

Keep your customers educated about the new 2017 NEC requirements.
For additional information, please visit Eaton.com
or call 1-877-ETN-CARE (877-386-2273).

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