

FACT SHEET

# ReliaGear™ LV MCC

## Arc flash mitigation (AFM) retrofit



Upgrade an existing MCC with new safety features by installing arc flash mitigation (AFM) units that mount into existing ReliaGear LV MCC or E9000 motor control centers. These AFM units incorporate many of the features detailed in the IEEE 1683 guideline for low voltage motor control centers.

**To retrofit existing equipment:**

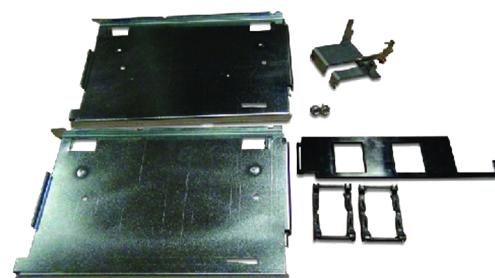
- Get a quote for the replacement units from an ABB sales representative. For a detailed description of the AFM unit, please reference publication 1VAL117401-DTA.

- Order a retrofit kit using the information for each unit that will be replaced. For detailed retrofit instructions, please reference publication #DEI-009, which details a step-by-step process for retrofitting existing equipment.

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Retrofit kit

**Available parts**

Kit name	Kit part number	Description	Qty	Figure
AFM formed case retrofit kit	AFMKIT	Shutter	1	A
		Shutter guide	2	B
		Unit shelf	2	C
		Formed case shutter actuator	1	D
		Shelf bolt	1	E
		Shelf bolt	1	F
AFM manual racking handle	110C2073G1	Manual racking handle	As	G
SmartRack LV remote racking device	190B3523G1	Remote racking device	As needed	H



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Manual racking handle

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SmartRack LV remote  
racking device

### Racking devices

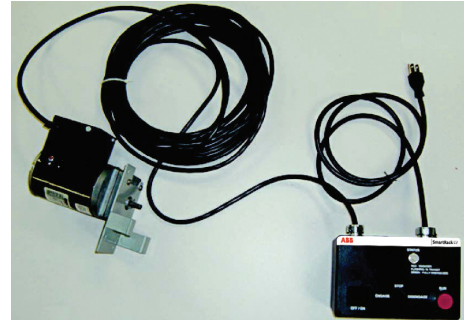
ABB offers two optional racking choices for the AFM units. The compact manual racking handle is a sleek, simple design which can be inserted into the racking hole and hand-cranked to remove the unit. The SmartRack™ LV remote racking device is a motorized device which is mounted to the front of the unit and operated from up to 40 feet away. For more information on MCC racking devices please see DEI-010 for manual racking handle and DEI-007 for the motorized remote racking device.

Talk to an ABB sales representative about using ABB Service to perform the retrofit work.

With this quick and easy retrofit, existing MCCs will be equipped with some of the safety features set forth in the IEEE 1683 guideline for low voltage motor control centers. The new design utilizes more robust sheet metal, closed-door retractable stabs, visual stab and shutter indicators, as well as other optional safety features if ordered with the unit.



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