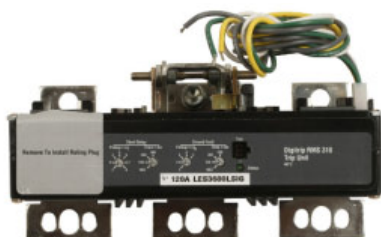


# Digitrip RMS 310+ LES and MES Trip Units Supercede Digitrip RMS 310 LES and MES Trip Units

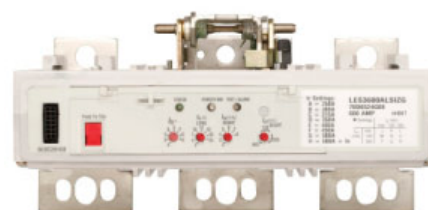
Eaton is pleased to introduce the Digitrip RMS 310+ trip units for Series C LD and MDL molded case circuit breaker frames. The LES and MES 310+ trip units will supercede LES and MES 310 trip units. The LES 310+ and MES 310+ trip units have the same form, fit, and function of the LES 310 and MES 310, respectively, and offer a wide range of selectable settings and optional features to fit your electrical needs.

With the release of the LES 310+ and MES 310+ trip units, LES 310 and MES 310 will no longer be available.

Catalog numbers and ordering process remain unchanged. See below for side by side comparisons.



LES 310



LES 310+

	LES 310	LES 310+
Amperes	600A	600A
Poles	3, 4	3, 4
Frame Rating Settings	Fixed and Adjustable Rating Plugs	Integrated I switch with 8 settings
Frame Rating Values	300A, 350A, 400A, 450A, 500A, 600A	250A, 300A, 315A, 350A, 400A, 450A, 500A, 600A
Long Delay Time Settings (I <sup>2</sup> t response)	Fixed: 10 sec @ 6X	Adjustable: 2, 4, 7, 10, 12, 15, 20, 24
Short Delay (SD) Pickup Level	Adjustable: 2x, 3x, 4x, 5x, 6x, 7x, 8x	Adjustable: 2x, 3x, 4x, 5x, 6x, 7x, 8x
Flat Response SD Time Setting*	Inst, 100ms, 200ms, 300ms	Inst, 120ms, 300ms
SD I <sup>2</sup> t Curve Shaping (LS, LSG models)	Yes (67ms at 6x)	Yes (67ms at 6x)
Ground Fault Pickup Level	(xI <sub>g</sub> ): 1.0x, 2.0x, 3.0x, 4.0x, 5.0x; (I <sub>g</sub> =120A)	(xI <sub>n</sub> ): 0.2x, 0.3x, 0.4x, 0.6x, 0.8x, 1.0x
Ground Fault Time Setting	Inst, 150ms, 300ms, 500ms	Inst, 120ms, 300ms
Status LED	Green, consistent heartbeat	Green, consistent heartbeat
High Load Condition	Status LED turns solid when in pickup	Separate red High Load Alarm LED, relay contacts available
Ground Fault Options	Trip Only	Trip Only, Alarm Only, or Trip & Alarm options available
Zone Selective Interlock	N/A	Option available
Remote Maintenance Mode	N/A	Option available
Cause of Trip	N/A	Optional External Modules with Display

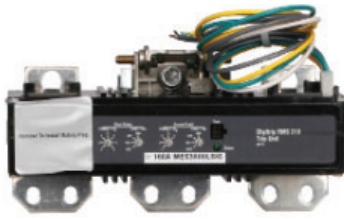


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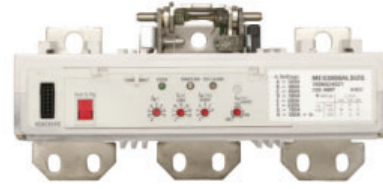
# Technical Data TD012050EN

Effective November 2014

## Digitrip RMS 310+ LES and MES Trip Units Supercede Digitrip RMS 310 LES and MES Trip Units



MES 310



MES 310+

	MES 310	MES 310+
Amperes	800A	800A
Poles	3	3
Frame Rating Settings	Fixed and Adjustable Rating Plugs	Integrated I <sub>r</sub> switch with 8 settings
Frame Rating Available Values	300A, 350A, 400A, 450A, 500A, 600A, 700A, 800A	320A, 400A, 450A, 500A, 600A, 630A, 700A, 800A
Long Delay Time Settings (I <sup>2</sup> t response)	Fixed: 10 sec @ 6X	Adjustable: 2, 4, 7, 10, 12, 15, 20, 24
Short Delay (SD) Pickup Level	Adjustable: 2x, 3x, 4x, 5x, 6x, 7x, 8x	Adjustable: 2x, 3x, 4x, 5x, 6x, 7x, 8x
Flat Response SD Time Setting*	Inst, 100ms, 200ms, 300ms	Inst, 120ms, 300ms
SD I <sup>2</sup> t Curve Shaping (LS, LSG models)	Yes (67ms at 6x)	Yes (67ms at 6x)
Ground Fault Pickup Level	(xI <sub>g</sub> ): 1.0x, 2.0x, 3.0x, 4.0x, 5.0x; (I <sub>g</sub> =160)	(xI <sub>n</sub> ): 0.2x, 0.3x, 0.4x, 0.6x, 0.8x, 1.0x
Ground Fault Time Setting	Inst, 150ms, 300ms, 500ms	Inst, 120ms, 300ms
Status LED	Green, consistent heartbeat	Green, consistent heartbeat
High Load Condition	Status LED turns solid when in pickup	Separate red High Load Alarm LED, relay contacts available
Ground Fault Options	Trip only	Trip Only, Alarm Only, or Trip & Alarm options available
Zone Selective Interlock	N/A	Option available
Remote Maintenance Mode	N/A	Option available
Cause of Trip	N/A	Optional External Modules with Display

\* In addition to the short delay trip function, there is a fixed instantaneous override at 5620A in the LES trip units and 6800A in the MES trip units. If a fault current exceeds these override values, the breaker will trip instantaneously (approx 20ms or less).

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