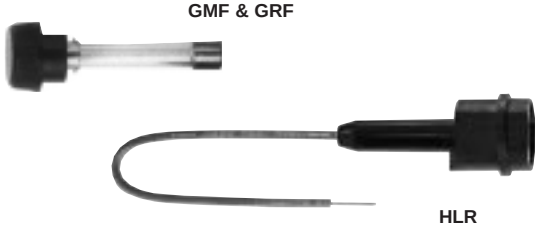
Specialty Fuse
Time-Delay, Non-Rejecting

GMF, GRF & HLR



Catalog Symbols: GMF, GRF & HLR
Time-Delay
Non-Rejection Style Fuse

	GMF	GRF
Amperes	1/8-6 1/4,10	7-10
Volts AC	300	300

Interrupting Rating: 10,000 Amperes

Agency Information:

GMF and GRF Fuse:

UL Listed, Std. 248-14, Guide JDYX, File E19180
CSA Certified, C22.2 No. 248.14, Class 1422-01, File 53787

HLR Fuseholder:

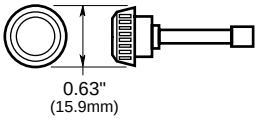
UL Recognized, 12A, 300 Vac, Guide IZLT2, File E14853
CSA Certified, 12A, 300 Vac, Class 6225-01, File 47235
HLR-2A:
UL Recognized, 15A, 300 Vac, Guide IZLT2, File E14853
CSA Certified, 15A, 300 Vac, Class 6225-01, File 47235

Electrical Ratings for Type GMF and GRF Fuses and Non-Rejection Style Carriers

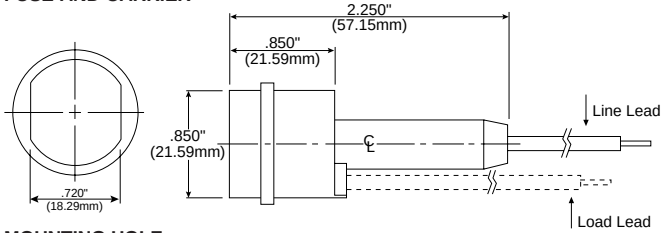
Fuse	Carrier	Fuse	Carrier
GMF-3/10	HLR	GMF-3	HLR
GMF-1/2	HLR	GMF-3 2/10	HLR
GMF-6/10	HLR	GMF-4	HLR
GMF-8/10	HLR	GMF-5	HLR
GMF-1	HLR	GMF-6 1/4	HLR
GMF-1 1/4	HLR	GRF-7	HLR
GMF-1 6/10	HLR	GRF-8	HLR
GMF-2	HLR	GRF-10	HLR
GMF-2 1/2	HLR	GMF-10	HLR
GMF-2 8/10	HLR		

Dimensional Data

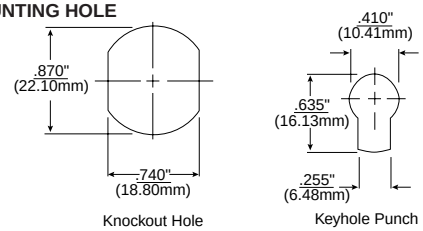
FUSE



FUSE AND CARRIER



MOUNTING HOLE



General Information:

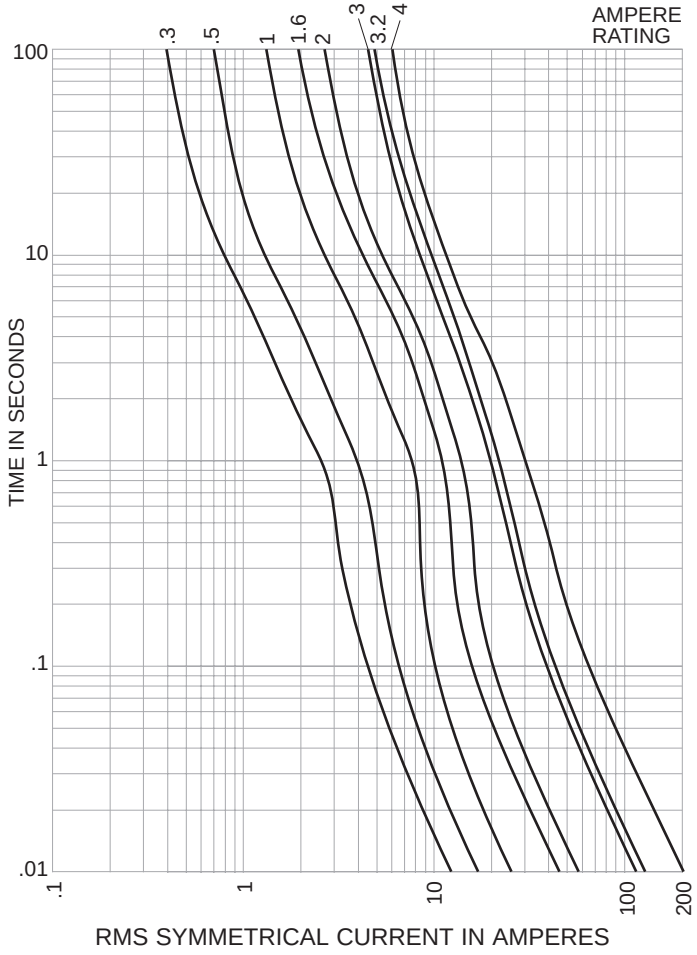
- HLR carrier comes with 6″ of #18 red insulated solid copper wire attached to the line side.
- Customer inserts a #18 insulated solid copper wire into load side receptacle.
- Order part number HLR-2A to obtain 6″ of #18 black insulated solid copper wire pre-installed in a load side receptacle.
- Order part number HLR-2L to obtain 6″ of #18 black insulated solid copper wire packaged loose (un-installed).
- An alternative to the HLR fuseholder is the A fuseholder. The A fuseholder comes WITHOUT leads. The customer inserts #18 insulated solid copper wire into the line side receptacle as well as into the load side receptacle. It has the same body dimensions, utilizes the same mounting hole, and takes the same mounting clips as the HLR. The A fuseholder is UL Recognized, 10A, 300Vac, Guide IZLT2, File E14853 and CSA Certified, 10A, 300Vac, Class 6225-01, File 47235.
- Fuse and knob are an integral one-piece unit. There are no replacement knobs (caps).
- Units can be panel mounted with a separate steel clip. For the knockout hole (see above), choose #BK/A-104. For the keyhole punch type hole, choose #6374 for panels .043” to .062” thick, or #4909 for panels .030” to .042” thick.
- Do not put tension on line (rear) terminal of fuseholder.

CE logo denotes compliance with European Union Low Voltage Directive (50-1000 Vac, 75-1500 Vdc). Refer to Data Sheet: 8002 or contact Bussmann Application Engineering at 636-527-1270 for more information.

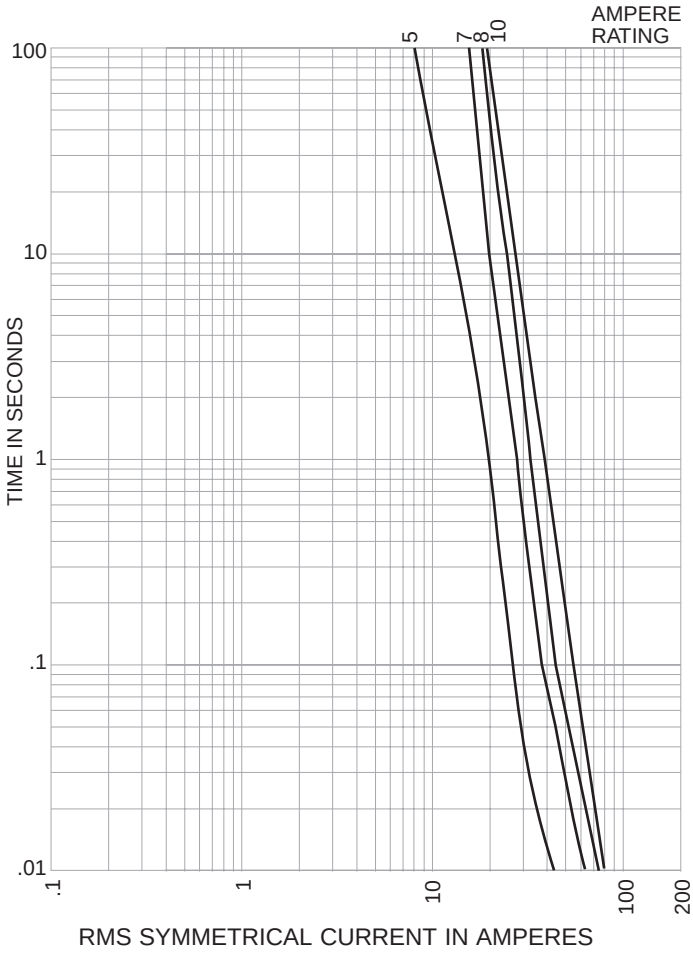
Specialty Fuse
Time-Delay, Non-Rejecting

GMF, GRF & HLR

Time-Current Characteristic Curves–Average Melt



Time-Current Characteristic Curves–Average Melt



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Eaton:

GMF-2-1/2 GMF-2 GMF-6-1/4 GRF-8 GMF-5 GMF-1-6/10 GRF-7 GMF-1-1/4 GMF-4 GMF-2-8/10 GMF-3 GMF-3-2/10 GMF-10 GMF-1/2 GRF-10 GMF-6/10 GMF-8/10 GMF-1 GMF-3/10 BK/GMF-1 BK/GMF-10 BK/GMF-1-1/4 BK/GMF-1/2 BK/GMF-1-6/10 BK/GMF-2 BK/GMF-2-1/2 BK/GMF-2-8/10 BK/GMF-3/10 BK/GMF-3-2/10 BK/GMF-4 BK/GMF-5 BK/GMF-6/10 BK/GMF-6-1/4 BK/GMF-8/10 BK/GRF-10 BK/GRF-7 BK/GRF-8