

# Specialty Fuse

## Time-Delay, Non-Rejecting

# GMF, GRF & HLR



Catalog Symbols: GMF and GRF  
Time-Delay  
Non-Rejection Style Fuse

	GMF	GRF
Amperes	1/8-6 1/4	7-10
Volts AC	300	125

Interrupting Rating: 10,000 Amperes

**Agency Approvals:**

**GMF and GRF Fuse:**

U.L. Listed, Std. 248-14, Guide JDYX, File E14853  
CSA Certified, C22.2 No. 248.14, Class 1422-01, File 53787

**HLR Fuseholder:**

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

U.L. Recognized, 15A, 300 Vac, Guide IZLT2, File E14853  
CSA Certified, 15A, 300 Vac, Class 6225-01, File 47235

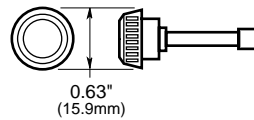
Electrical Ratings for Type GMF and GRF Fuses and Non-Rejection Style Carriers

Fuse	Carrier	Fuse	Carrier
GMF-3/10	HLR	GMF-2 8/10	HLR
GMF-1/2	HLR	GMF-3	HLR
GMF-9/10	HLR	GMF-3 3/10	HLR
GMF-9/10	HLR	GMF-4	HLR
GMF-1	HLR	GMF-5*	HLR
GMF-1 1/4	HLR	GMF-6 1/4*	HLR
GMF-1 6/10	HLR	GRF-7**	HLR
GMF-2	HLR	GRF-8**	HLR
GMF-2 1/2	HLR	GRF-10**	HLR

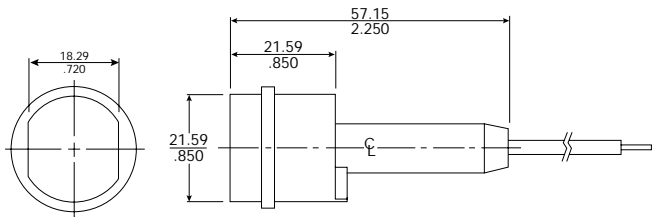
\*300 Volts AC.  
\*\*125 Volts AC.

Dimensional Data

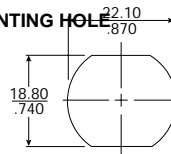
FUSE



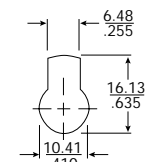
FUSE AND CARRIER



MOUNTING HOLE



Knockout Hole



Keyhole Punch

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).
- 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 (BK/A-104).

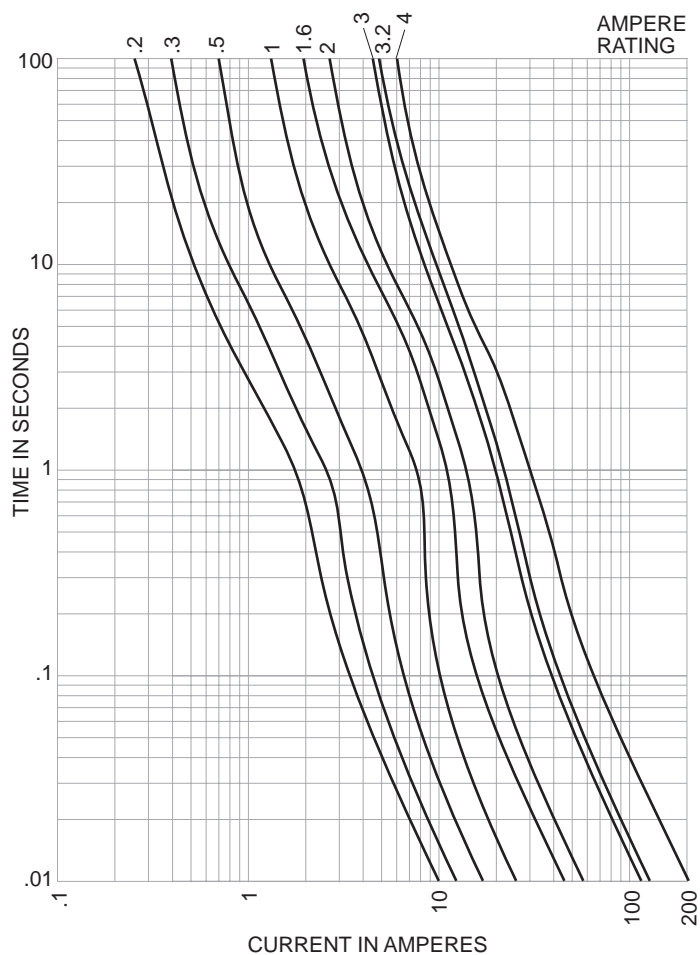
CE CE logo denotes compliance with European Union Low Voltage Directive (50-1000 Vac, 75-1500 Vdc). Refer to BIF document #8002 or contact Bussmann Application Engineering at 314-527-1270 for more information.

# Specialty Fuse

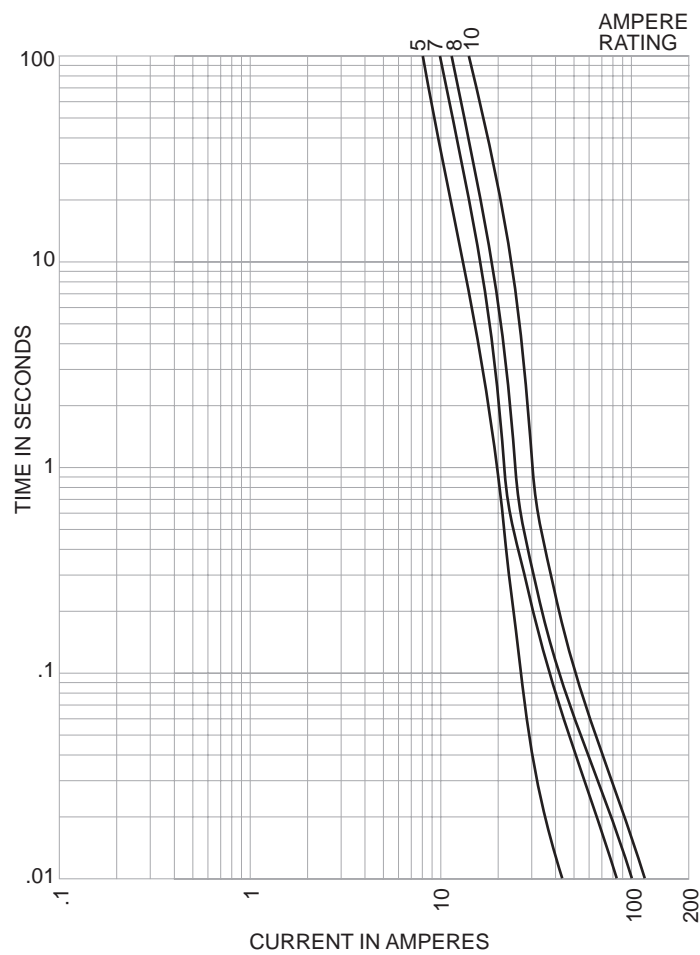
## Time-Delay, Non-Rejecting

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Time-Current Characteristic Curves—Average Melt



Time-Current Characteristic Curves—Average Melt



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