

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

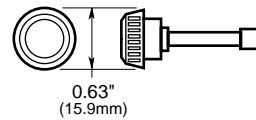
Electrical Ratings for Type GMF and GRF Fuses and Non-Rejection Style Carriers

| 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 |

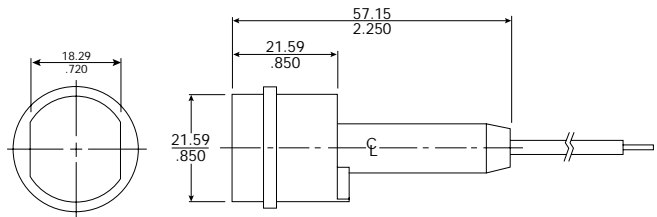
*300 Volts AC.
**125 Volts AC.

Dimensional Data

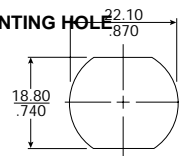
FUSE



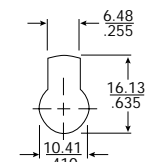
FUSE AND CARRIER



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).

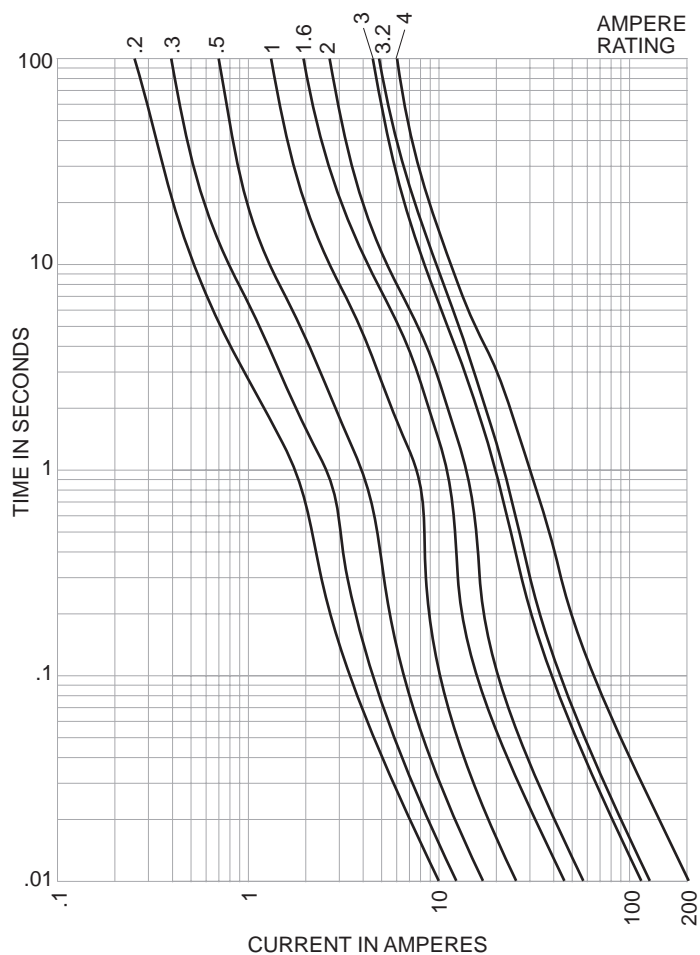
CE CE logo denotes compliance with European Union Low Voltage Directive (50-1000 Vac, 75-1500 Vdc). Refer to BIF document #8002 or contact Bussmann Application Engineering at 314-527-1270 for more information.

Specialty Fuse

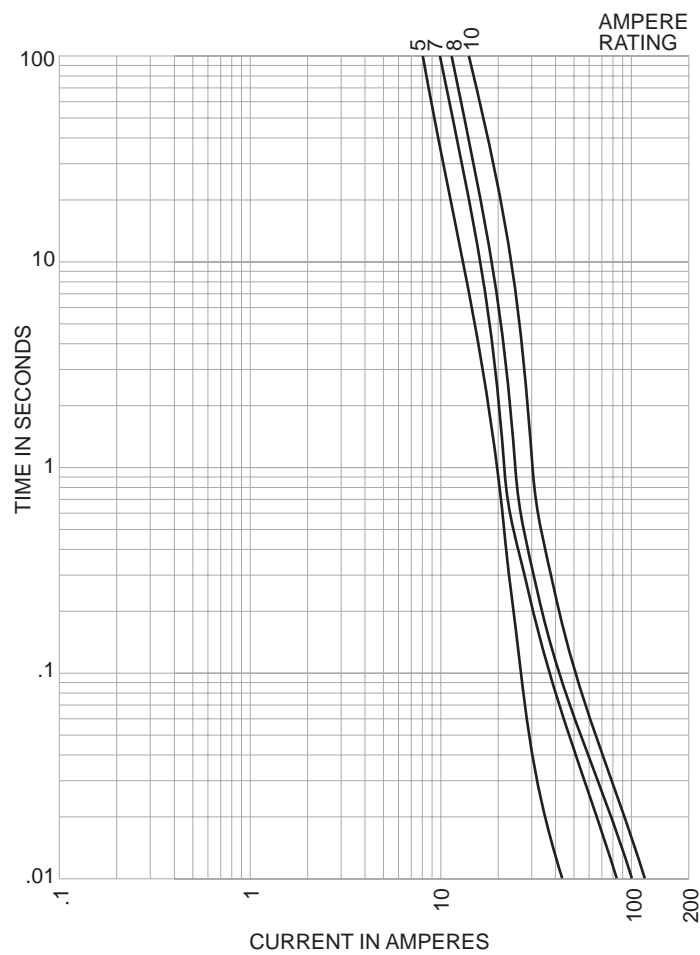
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Time-Current Characteristic Curves—Average Melt



Time-Current Characteristic Curves—Average Melt



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